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PART II.

Descriptive List of Trees and Shrubs of the Eastern Circle, United Provinces,

by

P. C. KANJILAL.

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PREFACE.

This list deals mainly with the Pilibhit, North and South Kheri, Bahraich, Gonda, Gorakhpur, Banda and Jhansi Forest divisions of the United Provinces.

The distribution has been based on specimens collected under the supervision of Divisional Forest officers. The herbarium of the Forest Research Institute at Dehra Dun has also been consulted.

A few herbs have been included. These are principally species which are either of economic value or are such as are likely to be interesting to foresters. Of the grasses only few of the more important ones have been included. It is hoped that they will be dealt with in a subsequent publication.

The vernacular names in the list should be used with caution except when they belong to plants with the utility of which the average villager is familiar. It may be observed that as a class the people who collect various articles of minor forest produce have the most reliable vocabulary of these names.

It will be seen that distribution data and field observations are not complete in the case of several plants. It is earnestly hoped that local forest officers would supply this deficiency.

The writer's best thanks are due to Sir Peter Clutterbuck, KT., C.B.E., C.I.E., but for whose keen interest when Conservator of the Circle collection of specimens in the present scale would never have been possible ; to Mr. R. S. Hole, C.I.E., and to Mr. R. N. Parker for affording him every facility in his work ; to Mr B. L. Gupta for valuable assistance in identifications ; and to all Divisional Forest officers of the Circle for co-operation in the collection of specimens.

P. C. KANJILAL.

DEHRA DUN :
The 7th March, 1925.

Abbreviations.

P.—Pilibhit Division.

K.—Kheri do.

Bah.—Bahraich do.

Gon.—Gonda do.

Gor.—Gorakhpur do.

Abbreviations.

J.—Jhansi Division.

Ban.—Banda do.

Oudh Divisions.

North Kheri, South Kheri, Bahraich and Gonda.

Bundelkhand.

Jhansi and Banda Divisions.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
RANUNCULACEÆ.	Clematis Cadmia, *Ham.*	..	Slender climber.	White tinged with blue.	February-March.	April.	...	Swampy grass-lands in Gorakhpur.	Rare.
	Clematis Gouriana, *Roxb.*	Tisli Baur, (Bah.) Kanjúli (Gor.)	Do.	White.	Sept.-October.	Cold season.	...	Pilibhit, South Kheri, North Kheri, Bahraich, Gorakhpur.	
DILLENIACEÆ.	Dillenia aurea, *Smith.*	Aggai (Gon.), Chamaggai, (Gor.).	Small tree.	Yellow.	April-May.	...	...	Gonda, Bahraich, Gorakhpur.	
	Dillenia pentagyna, *Roxb*	Aggai.	Do.	Do.	Mar.-April.	May.	...	In all divisions except Jhansi and Banda.	
	Dillenia indica, *Linn.*	Cháltá.	Medium-sized tree.	White.	June-July.	Cold season.	...	...	Cultivated.
ANONACEÆ.	Uvaria Hamiltonii *Hk. f.*	Pahári Gohar (Gor).	Scandent shrub or tree.	Brick red.	April-May.	Rainy season.	...	Gorakhpur ...	Rare.
	Polyalthia suberosa *Benth.*	Khirúi, Chamkhirúi.	Small tree.	Reddish brown.	June-July.	Oct.-Feb.	...	Pilibhit, Bahraich, Gonda, Gorakhpur.	In flower and fruit during the greatter portion of the year.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
ANONACEÆ.—(*concld*).	Polyalthia longifolia, *Benth.*	Asok.	Medium-sized tree.	Green.	April-June.	Ju'y	Ever green	Cultivated.	
	Miliusa velutina, *Hk f.*	Kári.	Small-medium-sized tree.	Do.	March-April.	June-July.	Deciduous	Throughout the circle.	
	S ccopetalum tomentosum, *Hk. f.*	Do.	Do.	Do.	Do.	Do.	Do.	Do.	
	Anona squamosa, *Linn.*	Sharifá, Sitáphal.	Small tree.	Do.	June.	Oct.-Nov.	...	Pilibhit, Gonda, Bahraich, Gorakhpur, Jhansi, Etawah.	Extensively cultivated; naturalised in Bundelkhand.
MENISPERMACEÆ.	Cocculus villosus, *DC.*	Charenti (Ban). Sarenta (J).	Slender climbing shrub	Do.	Jan.—March.	Jan.—March	...	Banda, Jhansi, Kheri.	
	Pericampylus incanus, *Miers.*	...	Climber.	Do.	...	...	...	Pilibhit, Kheri, Bahraich.	
	Cissampelos Pareira, *Linn.*	Purainá, Párhi. Puraina parhi (Gor).	Do.	Do.	March to end of rains.	Nov.—Jan.	...	Abundant all over the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
MENISPERMACEÆ.—(*concld.*)	Tinospora cordifolia, *Miers.*	Gúlóh, Gúrich, Nim Karúi	Climber.	Green.	Hot and rainy season.	Rainy season.	...	All over the circle.	
	Anamarita paniculata, *Colebr.*	Kákmári.	Greenish yellow.	...	...	...	...	Bahraich.	
	Tiliacora racemosa, *Colebr.*	Karwath (Bah, Gond, Gor, Ban.) Rangóí (Pil, K.) Chamsróbel (Ban).	...	...	...	...	...	Pilibhit, Gonda, Gorakhpur, Bahraich, Banda.	
NYMPHACEÆ.	Euryale ferox, *Salisb.*	Makháná.	Aquatic herb.	Bluish purple	May—Sept.	Cold season.	...	Pilibhit, Gorakhpur and Oudh divisions	Fruits eaten.
	Nymphœa Lotus, *Linn.*	Kanwal.	Do.	Pink and also white.	Rainy season.	Do. ...	...	All over the area in jhils.	
PAPAVARACEÆ.	Argemone mexicana, *Linn.*	Bharbhandái (Pil., Bah., Gon.) Katai, Bhárbhar (Kh., Gor.).	...	...	...	...	...	An abundant weed all over the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
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CAPPARIDACEÆ.	Mærua arenaria, *Hk.f. & T.*	Chilkánú, rukhniya	Climbing shrub.	White.	Feb.	...		Jhansi, Etawah.	
	Cratæva religiosa, *Forst.*	Barná, Baibarná.	Small-middle-sized tree.	White and yellow.	March-April.	Rainy season.	...	Bahraich, Gonda, Gorakhpur, Jhansi.	
	Capparis aphylla, *Roth.*	Káril.	Shrub.	Red or brownish red.	April-May.	...	...	Etawah.	Leafless.
	Capparis sepiara, *Linn.*	Aundi.	Scandent shrub.	White.	June—Nov.	...	...	Jhansi, Etawah.	
	Capparis horrida. *Linn.*	Karálwá (Bah. Gon., Et.) Harwá (J). Aundi (J.)	Do.	Purple	Feb.—April.	Rainy season.	Evergreen.	Throughout the circle.	
BIXACEÆ.	Cochlospermum Gossypium, *DC.*	Gúbdi (J), Ganyórá (J).	Small tree.	Yellow.	Feb.—April.	May—June.	Deciduous.	Gonda, Jhansi. Banda, Bahraich.	
	Flacourtia cataphracta, *Roxb.*	Panyálá (Gor.)	Medium-sized or small tree.	Green.	March—May.	Rainy season.	Evergreen.	Pilibhit, Gorakhpur.	Often cultivated for its fruits.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
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BIXACEÆ—(*concld.*)	Flacourtia Ramontchi, *L'Herit.*	Katlái, Katiá (J) Kanker.	Small tree	Green.	Feb.—April.	April—July.	Deciduous.	Throughout the circle.	
	Xylosma longifolium, *Clos.*	Kantáwá (Bah.)	Small to medium-sized tree.	Do.	Nov.—Jan.	April-May.	...	Pilibhit, Gonda, Bahraich.	
TAMARICACEÆ.	Tamarix dioica, *Roxb.*	Jháu.	Shrub	Pink.	May—July.	Cold season.	Evergreen.	Throughout the circle.	
	Tamarix ericiodes, *Rottl.*	Lál Jháu.	Shrub—small tree.	Rose pink.	Sept.—Jan.	...	Do.	Jhansi.	
DIPTEROCARPACEÆ.	Shorea robusta, *Gærtn. f.*	Sákhú, sál, Sákhúi (Gor.).	Tree	Cream.	March-April.	Early July or end of June.	Sub-deciduous.	Throughout the circle except Jhansi.	
MALVACEÆ	Malvastrum tricuspidatum, *A. Gray.*	...	Perennial herb or under shrub.	Yellow.	Throughout the year.	Throughout the year.	Evergreen.	Throughout the circle.	Waste land weed.
	Sida veronicæfolia, *Lamk.*	...	Low under shrub.	Do.	Do.	...	Do.	Throughout the circle.	In waste lands.

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MALVACEÆ —(*contd.*).	Sida rhombifolia, *Linn.*	...	Under shrub.	Yellow.	Throughout the year.	Throughout the year.	...	All over the circle, also Etawah.	In waste lands.
	Sida cordifolia, *Linn.*	...	Do	Do	Do.	Do.	...	Throughout the circle.	Do.
	Sida spinosa, *Linn.*	...	Do.	Do.	Do.	Do.	...	In waste lands throughout the circle.	
	Sida acuta, *Burm. f.*	...	Do.	Do.	Do.	Do.	...	Do.	
	Abutilon indicum, *Sweet.*	Jangli Kanghai (Bah.), Kanghi (Pil., J.), Bará bariárá (K).	Do.	Do.	Do.	Do.	...	Do., also Etawah.	
	Abutilon asiaticum, *G. Don.*	Kakai.	Do.	Do.	April.	April.	Evergreen.	Etawa, Gonda.	
	Abutilon ramosum, *Guill & Perr.*	...	Under shrub.	Do.		...	...	Banda.	
	Abutilon avicennæ, *Gærtn.*	...	Herbaceous.	Do.	Do.	Do.	Annual.	Gorakhpur.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks
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MALVACEÆ —(*contd*).	Urena lobata, *Linn.*	Pithiá (Gon.) Laptai (Gor.).	Under-shrub.	Pink.	Rainy season.	Oct.—Jan.	Deciduous.	Throughout the circle.	A waste land weed
	Urena repanda, *Roxb.*	Bará bariárá (*Bah.*).	Do. or perennial herb.	Do.	Do.	Oct.—Dec.	...	Pilibhit, Bahraich, Gonda.	
	Hibiscus micranthus, *Linn.*	...	Under shrub.	Yellow with purple centre.	February	June	Deciduous.	Jhansi, Etawah.	
	Hibiscus Gibsoni, *Stocks.*	...	Do.	Do.	Rainy season.	...	...	Banda, Jhansi, Etawah.	
	Thespasia Lampas, *Dalz* and *Gibs.*	Bau Kapás.	Do.	Primrose with purple centre.	Do.	Oct.—Dec.	Deciduous.	All over the circle.	
	Gossypium neglectum, *Todaro.*	Kapás.	Sub-herbaceous.	Yellow with purple centre.	Do.	Early winter.	...	...	Cultivated.
	Kydia calycina, *Roxb*	Pathahá, Patahi, Púla (J.) Bhóti (B.).	Small-medium-sized tree.	White.	Do.	Winter.	Deciduous.	All over the circle.	

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MALVACEÆ —(*concld.*).	Bombax malabaricum, *DC.*	Semal.	Tree.	Red.	Jan.—March.	April-May.	Deciduous.	All over the cricle.	
	Pavonia odorata, *Willd.*	...	Sub-herbaceous.	Pink or white.	...	...	...	Bandelkhand.	Duthie's collection.
	Pavonia zeylanica, *Cave.*	...	Under-shrub.	White.	Rainy season.	...	...	Banda, Etawah.	
STERCULIACEÆ.	Sterculia urens, *Roxb.*	Kateerá Karár (J.).	Tree.	Brownish green.	Nov.—March.	March-April.	Deciduous.	Jhansi.	
	Sterculia villosa, *Roxb.*	Udal, Udár, Gúdar (K., Gon.).	Medium-sized tree.	Yellow.	Jan.—April.	June-July.	Do.	All over the circle.	
	Sterculia colorata, *Roxb.*	Samari (Pil.).	Tree.	Orange.	March-April.	April—July.	Do.	Pilibhit, Gonda, Bahraich.	
	Helicteres Isora, *Linn.*	Bendú (K. Bah, Gon.). Súthi (Gor., Ban.) Marári (Bah.), Marórphali (J., Gor., Pil., K.).	Shrub.	Red.	April—Nov.	Cold season.	Almost evergreen.	All over the circle.	Leafless for a short period in April.

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STERCULIACEÆ—(*concld.*).	Pterospermum acerifolium, *Willd.*	Muchkand (K., J.).	Tree.	White.	March—June.	Nov.-Dec.	Evergreen.	Kheri, Jhansi, Gonda.	
	Eriolæna Wallichii, *DC.*	Bendá (Gon.), Barbándá (J.).	Shrub or small tree.	Yellow.	May-June.	Dec.-Jan.	Deciduous.	Bahraich, Gonda, Gorakhpur, Jhansi.	Fruits remaining long on the tree.
	Eriolæna Hookeriana, *W. and A.*	Barbaindá (J.). Ban Kapasi (B.) Gúmer (J).	Do.	Do.	June-July.	Do.	Do.	Jhansi, Banda.	On hills.
	Melhania Hamiltoniana, *Wall.*	...	Shrub.	Do.	May-June.	Rainy season.	...	Etawah, Banda.	
	Melochia corchorifolia, *L.*	...	Undershrub or perennial herb.	Pinkish white.	Rainy season.	Do.	...	All over the area.	Waste land weed.
	Waltheria indica, *L.*	...	Under shrub.	Yellow.	Do.	Cold season.	...	Jhansi.	
TILIACEÆ.	Grewia pilosa, *Lank.**	Gangerúá (J.)	Shrub or small tree.	..	May—Oct.	Dec.-Jan.	Deciduous.	Pilibhit, Bahraich, Jhansi, Etawah, Banda.	

* Syn G. flavescens, *Juss.*

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TILIACEÆ.—(*contd.*).	Grewia scabrophylla, *Roxb.*	Bendú (Pil., K., Gon., Bah.), Dapher (Bah., Gor.).	Shrub	White.	March—Sep.	Oct.-Nov.	...	All over the circle in grass lands.	Fruit long persistent after ripening.
	Grewia elastica, *Royle.*	Phálsá, Pharsá.	Small tree.	Yellow.	April.	Aug.—Oct.	Deciduous.	Jhansi, Bahraich.	Also probably in other divisions.
	Grewia vestita, *Wall.*	Do.	Do.	Do.	April-May.	Do.	Do.	Gonda, Gorakhpur, Jhansi, Kheri, Pilibhit, Bahraich.	
	Grewia Hainesiana, *Hole**.	Phálsá, Pharsá, Dhóman (Pil. J.)	Small-medium-sized tree.	Do.	April—June.	June—Aug.	...	Throughout the circle.	New leaves appear almost as soon as the old leaves fall.
	Grewia tiliaefolia, *Vahl.*	Phálsá	Medium-sized tree.	Do.	March-May.	Do.	...	Gorakhpur, Kheri, Jhansi.	Cultivated all over the area of the circle.
	Grewia sapida, *Linn.*	Phálsá, Phársá	Switchy under-shrub.	Do.	March—June.	May—Nov	Deciduous.	Throughout the circle in fire lines and areas periodically burnt by fire.	In the cold season the plant dies back to the root-stock.

* Included under Grewia asiatica, *Linn.* in most works.

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TILIACEÆ —(*concld.*)	Grewia lævigata. *Vahl.*	Hariá (Pil.), Kakai (Bah.), Banhariá (Gon.).	Small tree.	White.	June—Oct.	Dec.—Feb.	Evergreen.	Pilibhit, Gorakhpur and all Oudh forests.	
	Grewia polygama, *Roxb.*	Sitáchabaini, Gúrshakri, Gúrgawá (J.), Chabeni (Bah.).	Shrub.	Greenish.	April—Aug.	Nov.—Dec.	...	Throughout the circle.	
	Triumfetta pilosa, *Roth.*	...	Under shrub.	Yellow.	Rainy season.	Nov.—Jan.	...	Throughout the circle in waste lands.	
	Triumfetta rhomboidea, *Jacq.*	Bhóra (Bah.)	Do.	Do.	June—Oct.	Oct.—Jan.	...	Ditto.	
	Corchorus capsularis, *Linn.*	...	Annual	Do.	Rainy season.	Rainy season.	...	Jhansi, Banda.	The jute.
	Corchorus olitorious, *Linn.*	...	Do.	Do.	Do.	...	...	Pilibhit, Gorakhpur.	Do.
	Corchorus acutangularis *Lamk.*	...	Do.	Do.	Do.	Rainy season.	...	Throughout the circle.	
LINACEÆ.	Reinwardtia trigyna, *Planch.*	Basant (Bah., Gor.).	Undershrub or shrub.	Primrose.	Dec.—Feb.	Feb.—May.	...	Bahraich, Gonda.	

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LINACEÆ—(*concld.*).	Syn. Reinwardtia indica, *Dum. Comm.*	...							
MALPIGHIACEÆ.	Hiptage Mandablota, *Gærtn.*	Madhmálati (Bah., Gor.), Yentó (Jh.).	Climbing shrub.	White and yellow.	Jan.—April.	April—June.	Evergreen.	Throughout the circle.	
	Aspidopterys Wallichii, *Hk.f.*	...	Do.	White.	Rainy season.	Nov.—Dec.	...	N. Kheri, Bahraich, Gonda.	Fruits persist ong on the plant.
	Aspidopterys nutans, *Hk.f.*	...	Do.	Do.	Do.	Cold season.	...	Gonda, Bahraich.	Fruits persist long after maturity.
ZYGOPHYLLACEÆ.	Tribulus terrestris, *Linn.*	Gokharu.	Herb.	Yellow.	Rainy season.	Do.	...	Throughout the circle.	Valued medicinally.
GERANIACEÆ.	Averrhoa Carambola, *Linn.*	Kamrakh.	Tree.	White.	March-April.	Do.	Evergreen.	Largely cultivated.	
RUTACEÆ.	Glycosmis pentaphylla, *Correa.*	Makrand (Pil.) Ghutrúá (Bah.), Bannimbú (Gor., Gon.), Girgitti (Gor., Gon.).	Shrub.	Do.	Throughout the year.	Throughout the year.	Do.	Oudh divisions, Pilibhit, Gorakhpur.	

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RUTACEÆ.—(*contd.*).	Murraya exotica, *Linn.*	Háril (Pil.), Mirchá (Gor.).	Shrub or small tree.	White.	March—Nov.	Oct.—Jan.	Evergreen.	Throughout the circle.	
	Murraya Kœnigii, *Spreng.*	Nimkathiá, Kathnim.	Do.	Do.	Feb.—May.	July—Oct.	...	Do.	Flowering may occur during rainy season also.
	Clausena pentaphylla, *DC.*	Ratanjót.	Under shrub	Do.	Feb.—June.	April to end of rainy season.	Deciduous.	Pilibhit, Gorakhpur and Oudh divisions.	Sporadic flowering up to November and fruiting in cold season.
	Clausena Wampi, *Blanco.*	Ampich.	Small tree	Do.	May.	July.	Evergreen.	Cultivated.	
	Limonia acidissima, *Acut.*	Bilshani (J.).	Do.	Yellowish white.	May-June.	Nov.-Dec.	Do.	Jhansi.	Sub-deciduous.
	Citrus medica, *Linn*	Nimbú, Nibúá.	Do.	White tinged with lilac.	April-May.	Do	Do.	Pilibhit, Gorakhpur and Oudh divisions.	Fruit long persisting.
	Feronia elephantum, *Cor.*	Kaith, Kaithá	Medium-sized tree.	White.	April—June.	Nov.—Jan.	Deciduous.	Pilibhit, Bahraich, Etawah, Jhansi, Kheri, Banda.	Often cultivated.

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RUTACEÆ —(*concld.*)	Ægle Marmelos, *Correa.*	Bel, Bael.	Medium-sized tree.	Greenish white.	March—May.	April-May.	Deciduous.	All over the circle.	
SIMARUBACEÆ.	Ailantus excelsa, *Roxb.*	Aru (Et.), Ajan (J.).	Do.	Yellowish green.	Feb.	May.	Subdeciduous.	Jhansi and Etawah divisions.	
	Balanites Roxburghii. *Planch.* Syn. Balanites ægyptica. *Wall.*	Hingót (J.), Aingúá (J.; Ban) Ban mehendi (Gon.).	Small tree or shrub.	Greenish white.	April, May, and * Nov.	June.	Deciduous.	Jhansi, Etawah, Gonda, Banda.	* A second flush(?).
OCHNACEÆ.	Ochna pumila. *Buch-Ham.*	...	Shrub.	Yellow.	Feb.—June.	April—July.	..	Pilibhit, Gorakhpur and Oudh forest in grass lands.	Shoots sent up annually from a stout root stock.
BURSERACEÆ.	Boswellia serrata, *Roxb.*	Malaigir (Gon.), Sálár (J., Ban.) Salái (Ban., J.).	Medium-sized tree.	White.	Jan.—Mar.	May-June.	Deciduous.	Gonda, Jhansi and Banda	

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BURSERACEÆ.—(*concld.*).	Garuga pinnata, *Roxb.*	Kákar (Pil., Bah.), Kharpat (Pil. K.), Kinkar (K., Bah., Gon., Gor. J.), Baniá.	Medium-sized tree.	Yellow.	March—May.	May-June.	Deciduous.	All over the circle.	
MELIACEÆ.	Melia Azadirachta, *Linn.* Syn. M. indica, *Br.*	Neem.	Do.	White.	March—May.	July-August.	Evergreen.	All over the circle.	Fruits long persisting on the tree.
	Melia Azedarach, *Linn.*	Bakain; Bakainá.	Small to medium-sized tree.	White and lilac.	Do.	Cold season.	Deciduous.	Do.	Flowers also sometimes sporadically in February and June. Generally near cultivation not truly indigenous.
	Amoora Rohituka, *W. & A.*	Sóhágá (Pil., Gon., Gor.).	Do.	Greenish white.	July-Aug.	May-June.	Evergreen.	Pilibhit, Gonda Bahraich and Gorakhpur.	
	Heynea trijuga, *Roxb.*	...	Medium-sized tree.	White.	Feb.—April.	July-August.	Do.	Pilibhit, Kheri., Gonda, Bahraich.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
MELIACEÆ —(*concld.*).	Soymida. febrifuga, *Juss.*	Rohiná (Ban.), Róhóná (Ban.)	Large tree.	Greenish. white.	April-May.	...	Sub-deciduous.	Banda.	
	Cedrela Toona, *Roxb.*	Toon.	Do.	White with orange centre.	March-April.	June-July.	Deciduous.	Pilibhit, Gorakhpur and all Oudh divisions.	
OLACACEÆ.	Olax scandens, *Roxb.*	Gúmech (Bah.).	Scandent shrub.	White.	April—June.	Oct.—Dec.	Evergreen.	Gorakhpur, Bahraich.	
	Olax nana, *Wall.*	...	Undershrub with switchy shoots from a thick woody root-stock.	Do.	March—June.	March—June.	Do.	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur.	
	Cansjera Rheedii, *Gmel.*	Káril (Gon., Bah.).	Climbing shrub.	Yellow.	Sep.—March.	May—July.	...	Gonda. Bahraich.	

Family.	Genus and species.	Vernacular name.	Habit of growth	Colour of flower.	Time of flowering	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
CELASTRACEÆ.	Celastrus paniculata, *Willd.*	Málkákni (Pil. K.; Bah.; Gor.; J.), Kénkun (Bah.; Gon.).	Climbing shrub.	Greenish.	March—May.	Oct.-Nov.	Subdeciduous.	All over the circle.	
	Celastrus spinosa, *Royle.* Syn. Gymnosporea Royleana, *Laws.*	Kóril (Gon.).	Shrub.	Whitish green.	Throughout the year.		Evergreen.	Gonda, Bahraich.	
	Celastrus senegalensis, *Lamk* Syn. Gymnosporia montana, *Benth.*	Bhekal (J.).	Do.	Greenish white.	Greater part of the year.		Do.	Jhansi.	Flowers and fruits probably at various periods throughout the year.
	Elæodendron glaucum, *Pers.*	Mútmúr (Gor.) Chaurái (Bah.; Gon.), Jamrási (J.) Dhebri (Gor.)	Tree.	Brownish white.	Feb.—June.	Jan.—June the year after flowering.	Deciduous.	All over the circle.	Flowers also in November-December ?

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
CELASTRACEÆ—(*concld.*).	Hippocratea arborea, *Roxb.*	...	Woody climber.	Greenish white.	May-June.	April.	Evergreen.	Bahraich, Gonda.	
	Salacia prinoides, *DC.*	...	Do	White.	Jan.—June.	Cold season.	Do.	Gorakhpur (Banki).	Flowers probably during the greater portion of the year.
RHAMNACEÆ.	Ventilago calyculata, *Tulasne.*	Kariá Bel (Bah.; Gon :) Keóti (J.; Ban.), Kanjúti (Ban).	Do.	Greenish.	Nov.—March.	April—June.	Do.	All over the circle.	
	Zizyphus Jujúba, *Lamk.*	Beri ; Ber ; Bair.	Tree or shrub.	Green.	April—October.	Cold season.	Do.	Ditto and Etawah.	
	Zizyphus rotundifolia, *Lamk.*	Jhar ber.	Snrub.	Do	March—June.+	Do.	...	Gonda, Jhansi, Banda, Etawah.	* Duthie.
	Zizyphus (Enoplia, *Mill.*	Makóh, Mahóiá.	Climbing shrub.	Do.	April-May.	Nov.-Dec.	Evergreen.	All over the circle.	Sometimes subdeciduous.
	Zizyphus rugosa, *Lamk.*	Banberá (Pil.) Aínwá (K) Daurái (Gor., Gon., Bah.,) Shagerá (J.).	Small tree often straggling.	Do.	Feb.—May.	May—July.	Do.	Do.	

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1	2	3	4	5	6	7	8	9	10
RHAMNACEÆ—(*concld.*).	Zizyphus Xylopyrus, *Willd.*	Banber (P., K.) Chitainá (Bah., Gor., Gon.), Chitáhá (Gor.) Ghónt (J.), Dhótber (Ban).	Shrub or small tree.	Green.	April—July.	Cold season after Jan.	Deciduous	All over the circle.	
	Gouania leptostachya, *DC.*	...	Climbing or rambling shrub.	White.	Aug.-Sept.	Jan.-Feb.	Subdeciduous.	Pilibhit, Kheri, Bahraich.	Fruits persist long after maturity. Climbs by branch tendrils.
	Helinus lanceolatus, *Br.*	...	Slender climbing shrub.	Yellowish green.	Jan.—March.	March-April.	Evergreen.	Bahraich.	
VITACEÆ.	Vitis latifolia, *Roxb.*	Ekangibel (K.) Pánibel, Amrólá, (Ban)	Soft-wooded climber.	Green.	May—July.	Aug.—Nov.	Deciduous.	Throughout the circle.	
	Vitis lanceolaria, *Wall.*	Desi Góhar (Gor.)	Do.	Do.	Feb.-March.	April.	Evergreen.	Pilibhit, Bahraich, Gorakhpur.	Possibly also in other Oudh divisions in moist situations

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1	2	3	4	5	6	7	8	9	10
VITACEÆ—(*contd*).	Vitis rosea, *Royle*.?	...	Woody climber.	...	...	...	...	Pilibhit, Banda	More material is necessary for satisfactory identification.
	Vitis repanda, *W. & A.*	Gúrówári (Bah.) Gúrbanwariá (Gon.)	Do.	Greenish white.	April—June.	Rainy season.	Deciduous.	Pilibhit, Bahraich, Gonda, Gorakhpur, Banda, Jhansi.	
	Vitis trifolia, *Linn.* Syn. V. carnosa, *Wall.*	Amarti bour (Ban., Gor.	Slender climber.	Do	May—July.	Nov.—Dec.	Do.	Throughout the the circle.	
	Vitis auriculata, *Roxb.*	Amalbel.	Succulent climber.	Green.	Rainy season	Oct.-Nov.	...	Jhansi, Banda.	
	Vitis divaricata, *Willd.*?	...	Slender woody climber.	...	...	...	...	* Gonda on hill sides. Bahraich.†	*More material is required for satisfactory determination. †Mr. W. J. Lambert

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1	2	3	4	5	6	7	8	9	10
VITACEÆ—(*concld.*).	Leea alata, *Edgew.*	...	Stiff shrub.	Brick red.	April—Aug.	Sep.-Oct.	Deciduous.	Pilibhit, Gonda, Bahraich, Kheri, Gorakhpur.	
	Leea macrophylla, *Roxb:*	Háthi káná, (Pil.) Háthikánuá (Gor., Gon.).	Herbaceous from a woody rootstock.	Green.	May—July.	Rainy season	...	Pilibhit, Gonda, Gorakhpur and probably Kheri and Bahraich.	
	Leea aspera, *Edgew.*	Gidar phársá, (Pil.) Kumalá (Gon.).	Shrubby but dies back annually.	Greenish.	March—June.	Oct.—Dec.	...	All over the circle.	
	Leea sambucina, *Willd.*		Woody shrub	Greenish white.	Rains and also Jan., Feb.	Sept.-Oct.	...	Gonda Bahraich, Banda.	
SAPINDACEÆ	Cardiospermum Halicacabum, *Linn.*	Káli gúghchi.	Herbaceous.	White	June—* Oct.	Oct.—* Jan.		All over the circle in waste lands, hedges, etc.	* Flowers and fruits occasionally later also.

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1	2	3	4	5	6	7	8	9	10
SAPINDACEÆ—(*concld.*).	Erioglossum edule, *Bijdr.*		Small tree.	Greenish white.	Jan.—June(?).	...	...	Pilibhit, Kheri, Bahraich.	A second flush of flowers seems to occur during the rains.
	Schleichera trijuga, *Willd.*	Kúsam.	Large tree.	Green.	March-April.	Oct.—Nov.	Deciduous.	All over the circle.	
	Sapindus laurifolius, *Vahl.*	Rithá.	Do.	Greenish white.	Dec.-Jan.	Feb.—April.	Evergreen.	Jhansi and Bahraich.	As escape from cultivation.
	Sapindus Danura, *Voigt.*	Do.	Small tree or shrub.	Greenish yellow.	March.		Do.	Kheri.	
	Nephelium longana, *Camb.*	...	Middle-sized tree.	Green.	Hot season.		Do.	Do.	Probably an escape from cultivation.
	Dodonæa viscosa, *Linn.*	...	Shrub.	Do.	Jan.-Feb.	Feb.—June.	Do.	...	Cultivated as a hedge plant.

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1	2	3	4	5	6	7	8	9	10
ANACARDIACEÆ.	Buchanania latifolia, *Roxb.*	Piál, Piarná, Chironji, Piará (K. : Gon.), Piyár, Achár (Ban.).	Small tree.	Greenish white.	Jan.—April.	May-June.	Sub-deciduous.	All over the circle.	
	Odina Wodier, *Roxb.*	Jigná (K : Bah. Gon. : Gor. : Pil), Jhigná ; Jhingan ; Gónj (J.)	Medium-sized tree.	Green.	Feb.—April.	Do.	Deciduous.	Do.	
	Semecarpus Anacardium, *Linn.*	Bhiláwá, Bhelá.	Do.	Yellowish green.	Feb.—June.	Dec.—Feb.	Do.	All over the circle.	
	Mangifera indica, *Linn.*	Am, Amiyá, Ambi.	Large tree.	Yellowish white.	March—April.	May—July.	Evergreen.	All over the circle as an escape from cultivation.	

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1	2	3	4	5	6	7	8	9	10
ANACARDIACEÆ—(*concld.*).	Spondias mangifera, *Linn.*	Ambárá, Amárá	Medium-sized tree.	White.	Feb.—April.	Cold season.	Deciduous.	Pilibhit, Gonda, Bahraich, Kheri, Gorakhpur, Banda.	Late flowers appear till June.
MORINGACEÆ.	Moringa pterygosperma, *Gærtn.*	Sainjná.	Small-medium-sized tree.	Pinkish white with yellow towards the base.	Dec.—April.	April—June.	Do.	All over the circle.	
LEGUMINOSÆ. SUB-ORDER PAPILIONACEÆ.	Crotolaria alata, *Buch-Ham.*	Sani (Pil.; Gon.), Ban sani (K; Gon.). Jangli sani (Bah.).	Under-shrub.	Pale-yellow.	April—Sept.	Sep.-Oct.	...	Pilibhit. Gonda, Kheri; Bahraich: Gorakhpur.	Base somewhat woody
	Crotolaria albidia, *Heyne.*	...	Under-shrub or perennial herb.	Yellow.	April.	Jan..	..	Pilibhit, Kheri, Bahraich, Jhansi.	

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Crotolaria retusa, *Linn.*	...	Undershrub.	Yellow	Cold season.	...	...	Gonda Bahraich.	Sometimes cultivated.
	Crotolaria sericea, *Retz.*	Ban sanái; Ban Sanná Chúnmúná (Bah.).	Succulent undershrub.	Do.	Sept. to April.	...	...	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur, Banda, Jhansi.	
	Crotolaria tetragona *Roxb.*	...	Shrub.	Lemon yellow.	Sep.—Nov.	March-April.	...	Bahraich, Gonda.	
	Crotolaria juncea, *Linn.*	San.	Do.	Yellow.	Rainy season.	..	...	..	Cultivated for fibre.
	Atylosia crassa, *Prain.*	Do.	Do.	Do.	Cold season.	...	...	Pilibhit, Bahraich, Gonda, Gorakhpur.	Probably through out the circle.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Atylosia scarabæoides, *Benth.*	...	Slender twining herb.	Yellow.	August—Dec.	Dec.—May.	...	Gonda, Bahraich Etawah.	
	Cylista scariosa, *Roxb.*	...	Woody climber.	...	Greater portion of the year.	...	Evergreen(?).	Gonda, Bahraich.	
	Flemingia strobilifera, *R. Br.*	Pithéwan (Gor.) Súdarsanpatti; (Gor.)	Shrub.	Yellowish white.	Aug.—Nov.	Nov.—June.	Deciduous.	All sal forests of the circle.	
	Flemingia Chappar, *Ham*	Kasraut.	Do.	White.	June.—Oct.	Dec.—April.	Do.	Sal forests of the circle.	Gregarious.
	Flemingia paniculata, *Wall.*	...	Do.	Pink.	Feb.—April.	March—May.	Sub-deciduous.	Kheri; Gorakhpur; Jhansi, Banda.	Not very common, but probably occurs all over the circle.
	Flemingia stricta, *Roxb.*	..	Do.	Do.	Jan.—March.	Rainy season.	...	Gonda, but also probably elsewhere in shady localities.	Shoots die back annually to woody portions.

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Flemingia congesta, *Roxb.*	...	Shrub.	Pink.	March—Sep.	Cold season.	Sub-deciduous.	All sal forests of the circle.	
	Flemingia prostrata, *Roxb.*	...	Undershrub.	Do.	Do.	Do.	...	All over the circle.	A dwarfed form of F. congesta.(?)
	Flemingia semialta, *Roxb.*	Chaurangá (Gor.)	Shrub.	Do.	July-Aug.	Nov-Dec.	...	Sal forests of the circle and also Banda.	
	Flemingia procumbens, *Roxb.*	...	Annual from woody root stock.	Do.	March-April.	April.	...	Grass lands in Oudh and Gorakhpur also probably Pilibhit.	Trailing in habit.
	Flemingia nana, *Roxb.*	...	Annual from a woody root stock.	Greenish pink.	Do.	...	Annual	Kheri; Banda and Jhansi, probably also in all sal forests of the circle.	Dwarfed form of F. congesta ?
	Flemingia lineata, *Roxb.*	...	Undershrub.	...	Feb.-March.	..	...	Gorakhpur.	
	Rhyncosia sericea, *Spon.*	...	Slender woody twiner.	Purple.	June—Oct.	Sept.—Nov.	...	Gonda, Bahraich.	

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Rhyncosia bracteata, *Benth.*	...	Slender woody twiner.	Yellow?	Jan.—March.	...	...	Gorakhpur (Tilkonia); Bahraich.	
	Teramnus labialis, *Spreng.*	...	Slender climber.	Reddish.	...	Cold season.	...	Jhansi (Lalitpur).	
	Pueraria tuberosa, *DC.*	Bilái kand, Bilará kand (Gon; K.), Bilará (J).	Woody climber.	Blue.	Jan.—April.	July—Nov.	Deciduous.	All over the area.	Flowers occasionally in December and also in May.
	Pueraria phaseoloides, *Benth.*	...	Twiner-scarcely woody.	Blue and white.	Sept.-Oct.	Nov.-Dec.	Do.	Kheri (Kishanpur), Bahraich.	
	Canavalia ensiformis *DC.*	...	Extensive sub-herbaceous climber.	White or lilac.	Rainy season.	..	...	Gorakhpur.	Sometimes cultivated.
	Mucuna pruriens, *DC.*	Kaunch.	Annual	Deep purple.	Do. ...	Nov.—Jan.	...	Bahraich; Jhansi. Banda probably all over the circle	Found in open scrub forests and hedges.

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	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Erythrina resupinata, *Roxb.*	...	Annual and herbaceous from a perennial woody root-stock.	Coral-red.	Feb.—April.	April-May.	...	Grass lands in Silibhit, Oudh forests and Gorakhpur.	Leaves appear after maturity of the fruit.
	Erythrina suberosa,, *Roxb*	Pharai (Gor.) Garausá (J).	Medium-sized tree.	Do.	March-April.	Rainy season.	Deciduous.	All over the circle in scrub forests.	
	Erythrina indica, *Lamk.*	...	Do.	Do	Do.	Do.	Do.	...	Cultivated; sometimes found as an escape.
	Butea frondosa, *Roxb.*	Dhák, Parás Palás; Tesú Cheolá (J)	Moderate-sized tree.	Orange red.	Jan.—April.	April—June.	Do.	Common all over the circle.	
	Butea superba, *Roxb.*	...	Twining shrub.	Do.	March.	Hot season.	Do.	Kheri (Bhira) (Duthie's collection.)	

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Spatholobus Roxburghii, *Benth.*	Maurain (Gor.), Maudi bel (P); Mòdh buár (K). Pataí bel (Bah. Gon.); Mendrá (Gor.), Manóh (Ban.).	Stout woody climber.	Dirty white.	Sept.—Feb.	Feb.—June.	Deciduous.	All over the circle.	Twines clockwise; flowers occasionally up to April.
	Sesbania ægyptica, *Pers.*	Jait.	Small tree or tall shrub.	Yellow-orange.	Nov..	Jan.	...	..	Generally cultivated but sometimes runs wild.
	Sesbania aculeata, *Pers.*	Jayanti.	Shrub-like annual.	Yellow	Rainy season.	...	...	In rice fields and water-logged waste-lands all over the circle.	
	Sesbania grandiflora, *Pers.*	Agusth.	Small tree.	White pinkish white.	Dec.—April.	...	...	Cultivated within the area.	
	Tephrosia purpurea, *Pers.*	Sar phónk.	Under-shrub.	Greyish-purple.	April—July	May—July.	Evergreen.	Etawah and all over the circle in waste-lands.	Flowers and fruits also in the cold season.

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Tephrosia villosa, *Pers.*	...	Shrubs	Grey purple.	Oct.	Oct.	...	Jhansi, Banda.	
	Milletia auriculata, *Baker.*	Gurári (Gor., Bah.), Gauj., Gaular (J., Banda).	Woody climber.	White.	April—June.	Cold season.	Deciduous.	All over the circle.	Often erect and shrubby.
	Indigofera linifolia, *Retz.*	Tórki ...	Perennial herb.	White to red.	Rainy season.	...	...	Grass lands all over the area.	Leaves simple. Seeds used as famine food.
	Indigofera trita, Linn.	...	Under-shrub.	Red.	...	...	...	Banda, Jhansi	
	Indigofera argentea, *Buch-Ham.*	...	Shrub.	Do.	March-April.	Oct.-Nov.	..	Banda.	
	Indigofera Hamiltonii, *Grah.*	...	Herbaceous from a woody root-stock.	Purple	...	...	Dying down annually.	Kheri, Gorakhpur.	Grass lands and other burnt areas.

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LEGUMINOSÆ—(*contd.*).	Indigofera hirsuta, *Linn.*	...	Undershrub.	Reddish purple.	Throughout the year.	...	...	All over the circle in waste-lands.	
	Indigofera tinctoria, *Linn.*	Nil.	Shrub	Pink and greenish yellow.	Jan.—April.	Oct.—?May.	...	Etawah, Gonda, Kheri, Banda.	
	Indigofera pulchella, *Roxb.*	Chotá basantá, (Pilibhit). Basantá (K., Gor., Pil., J.) Ban. nil. (K., Bah.)	Do.	Pink.	Nov.—May.	Feb.—Sep-	Sub-deciduous.	All over the circle.	Flowers mainly in the cold season.
	Abrus precatorius, *Linn.*	Rati, Gúgchi, Góngchi.	Slender woody twiner.	Pinkish white or pink.	Rainy season.	Cold season.	Deciduous.	Do.	Fruits persist for a long time after maturity.
	Dalbergia latifolia, *Roxb.*	Sitsál, Siásá (J., Ban.).	Large tree.	Dirty white.	April	Jan.-Feb.	Do.	Gonda, Bahraich, Banda, Jhansi.	

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*cont d.*)	Dalbergia Sissoo, *Roxb.*	Shisham, Sissoo.	Large tree.	Yellowish white.	March.—May.	Nov.—May.	Deciduous.	Throughout the circle.	Fruits long persistent.
	Dalbergia lanceolaria, *Linn. f.*	...	Medium-sized to large tree.	Light pink.	April—June.	Sep.-Oct.	Do.	Kheri, Bahraich, Gonda, Gorakhpur, Banda, Jhansi, probably all over the circle.	
	Dalbergia paniculata, *Roxb.*	Kinsiá (Ban.); Dhôbein (J.)	Do.	Purple to bluish white.	April—May.	Jan.—March.	Do.	Gonda, Bahraich, Jhansi, Banda.	
	Dalbergia volubilis, *Roxb.*	Ban kharrá (K.)	Scandent shrub.	Pale blue.	Jan.—April.	May-June.	Evergreen.	All over the circle.	
	Pterocarpus Marsupium. *Roxb*	Bijá Sál, Bijá; Bijá Sár.	Large tree.	Yellow.	May—Oct.	Cold season	Deciduous.	Do.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Tim of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Pterocarpus santalinus, *Linn. f.*	Rakt chandan, Lál chandan.	Small tree.	...	July.	...	Deciduous.	Banda (planted).	The red sanders tree.
	Pongamia glabra, *Vent.*	Kanj, Kanjá	Middle-sized tree.	Pinkish white.	March—May.	Jan.—April.	Sub-decious.	All over the circle.	Often planted.
	Derris scandens, *Benth.*	...	Woody climber.	Pale pink.	April-May.	July.	Evergreen.	Gonda, Bahraich.	
	Æschynomene indica, *Linn.*	...	Shrub-like annual.	Yellow	Rainy season.	...	...	Kheri (Bhira).	
	Lespedeza stenocarpa, *Maxim.*	...	Erect shrub.	Pink	Most part of the year.	...	...	Gonda.	
	Uraria picta, *Desv.*	...	Under-shrub.	Do.	June—Oct.	Cold season, principally Nov.	..	All over the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flowe .	Time of flowering.	Time of seeding.	Periodicity	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	12
LEGUMINOSÆ.—(*contd.*).	Uraria alopecuroides, *Wight.*	...	Under shrub.	Pink.	April—Sep.	Cold season.	...	Pilibhit, Gonda, Gorakhpur, Bahraich.	
	Uraria neglecta, *Prain.*	...	Do.	Do.	Rainy season.	Nov.—March.	...	Pilibhit, Kheri, Bahraich, Gonda, Gorakhpur.	
	Uraria prunellæfolia, *R. Grah.*	...	Dwarfed under shurb.	Bluish white.	*April-May.	Sep.—Nov.	Dies back annually.	Pilibhit, Bahraich; probably all ever the circle.	* Also flowers in the rainy season.
	Alysicarpus vaginalis, *DC.*	...	Under shrub.	Pinkish yellow.	Rainy season.	Rainy season.	...	All over the circle.	
	Alysicarpus longifolius, *W. & A.*	...	Shrub.	...	Do.	Do.	...	Kheri, Bahraich, probably in all sal forests of the circle,	
	Alhagi camelorum, *Fisch.*	Jáwasá.	Do.	Yellow.	Mar.-April.	Do.	...	Etawah.	
	Ougenia dalbergeoides, *Benth.*	Chájan (P., K.) Pánan. Sándan	Small to medium-sized tree.	Lilac.	Feb.—April.	May-June.	Deciduous.	All over the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remark
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Desmodium cephalotes. *Wall.*	...	Shrub.	Yellow-red.	July—Oct.	Dec.-Jan-	...	All over the circle.	Fruits persist long after maturity.
	Desmodium pulchellum. *Benth.*	Gheòpatti (Bah.)	Do.	White or yellowish.	March—Oct.	Cold season.	Deciduous.	Throughout the circle, usually in sal forests.	
	Desmodium laxiflorum, *DC.*	Do.	Undershrub.	White and blue.	Rainy season.	Nov.-Dec.	Dies back annually	Sal forests, of the circle.	
	Desmodium polycarpum, *DC.*	Kabrá.	Do.	Purple.	June—Oct	Do.	Do.	All over the circle.	Pods sticking together and persisting long after ripening.
	Desmodium triquetrum, *DC.*	...	Do	Do.	June—Nov.	Nov.—March.	...	In all sal forests of the circle.	Petiole-winged
	Desmodium gangeticum, *DC.*	...	Do.	Purplish white.	March—Oct.	June—Jan.	...	All over the circle	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ.—(*contd.*).	Desmodium latifolium, *DC.*	...	Under-shrub.	Purple.	Rainy season.	Nov.—Feb.	...	Throughout the circle—usually in sal forests.	Flowers also in March, April.
	Desmodium brachystachyum. *R. Grah.*	...	Under-shrub or herb.	Deep-purple.	Sept.-Oct.	Dec.	...	Pilibhit Bahraich, probably also in Gorakhpur, Gonda, and Kheri.	
	Desmodium gyrans, *DC.*	...	Under-shrub.	Pink.	June—Nov.	Cold season.	...	All over the circle.	The Telegraph plant.
	Desmodium gyroides, *DC.*	...	Do.	Purple.	Rainy season.	Nov.—March	...	Gorakhpur, Gonda, Pilibhit, and Bahraich.	Flowers also in April.
SUB-ORDER CÆSALPINIÆ.	Cassia Fistula, *Linn.*	Amaltás; Wórgá, Kirwar (J).	Medium-sized tree.	Bright yellow.	April—Aug.	Jan.-Feb.	Deciduous.	All over the circle.	Pods long persisting on the tree.
	Cassia glauca, *Lamk.* Var. suffruticosa, *Koen.*	...	Small tree or shrub.	Do.	April—Dec.	Cold season	...	Gorakhpur (Duthie's collection).	Often cultivated.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Cassia occidentalis, *Linn.*	Kasoundi (P ; K), Chakúnd Gor. J), Kasója (K, Bah.), Bará páwár Et.), páwár (Ban J.)	Tall woody annual.	Yellow.	June—Nov.	Nov.—Feb.	...	All over the circle and Etawah.	Flowers also in April-May.
	Cassia sophora *Linn.*	Chakundá (J)	Annual undershrub.	Do.	Rainy season.	...	...	Jhansi.	
	Cassia Tora, *Linn.* Syn Cassia obtusifolia, *Linn.*	Chakúnda (P), Kasanji, Chakúnda, Páwár.	Do.	Do.	Do.	Nov.-Dec.	...	All over the circle in waste-lands, also in Etawah.	Pods persist for a long time after ripening. Early flowers may be found in May.
	Cassia auriculata, *Linn.*	...	Shrub.	Orange yellow.	Cold season.	Feby.-March.	...	Jhansi (Rora valley) Etawah.	Flowers also in June.
	Cassia Absus, *Linn.*	...	Herb.	Yellow	Rainy season.	Oct.-Nov.	Annual.	In all sal forests of the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Cassia pumila, *Lamk.*	...	Branchy undershrub.	Yellow.	Rainy season.	Cold season.	..	Jhansi.	
	Bauhinia tomentosa, *Linn.*	Champó; Maul.	Small tree.	Do.	Do.	Do.	Deciduous.	Jhansi, Banda.	
	Banhinia racemosa, *Lamk.*	Mahúli (P., K.; Gor.,), Makúna (Ban.; Gon.).	Do.	White	March—June.	Do.	Do.	All over the circle.	
	Bauhinia malabarica, *Roxb.*	Amlósa, Sihúl (Ban., Gor.).	Small to medium-sized tree.	Do.	Aug.—Dec.	Jan.—May.	Evergreen.*	Do.	*According to some authorities deciduous.
	Bauhinia retusa, *Roxb.*	...	Medium-sized tree.	Yellow with red spots.	Sept.—Nov.	Feb.—April.	Deciduous.	Gonda, Bahraich.	
	Bauhinia Vahlii, *W. & A.*	Mauráin, Pater (Gor.).	Large woody climber.	White	April—June.	Cold season.	Evergreen.	All over the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*)-	Bauhinia purpurea, *Linn.*	Kóllar.	Medium-sized tree.	Deep rose-pink.	Sept.—Dec.	Jan.—March.	Deciduous.	All over the circle.	
	Bauhinia variegata, *Linn.*	Kachnár.	Medium-sized or small tree.	White and pink.	Jan.—April.	May.	Sub-deciduous.	Do.	Often cultivated.
	Tamarindus indica, *Linn.*	Imli.	Large tree.	Light yellow striped with red.	April—June.	Dec.—April.	Evergreen	All over the circle; generally as an escape from cultivation.	Flowers also in November.
	Cæsalpinia Bonducella, *Flem.*	Karánjá (K., Gon., Gor.), Kanjúbel, Kanjá (Gon.), Gattan (J.).	Scandent shrub.	Yellow	Rainy season.	Dec.—March.	Do.	All over the circle, in waste-lands.	The Fever nut.
	Cæsalpinia sepiara, *Roxb.*	Ail bel.	Do.	Bright yellow.	Dec.—May.	May—Oct.	Do	Pilibhit, Gonda, Bahraich, Kheri, Gorakhpur.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ.—(*contd.*).	Parkinsonia, aculeata, *Linn.*	Viláyati Kikkar. Viláyati babúl, Viláyati chinkúr.	Shrub	Yellow.	Sept.—Jan.	May.	Evergreen.	Planted, but apparently naturalized in many places.	
	Mezoneurum cucullatum, *W. & A.*	Bishkhopráh.	Scandent shrub.	Do.	Dec.—March.	April-May.	Do.	Pilibhit, Gonda, Bahraich, Kheri, Gorakhpur.	
SUB-ORDER—MIMOSEÆ.	Piptadenia oudhensis, *Brand.*	Genth.	Small-medium-sized tree.	Greenish yellow.	April.	Do.	Deciduous.	Gonda, Gorakhpur (in Nepal border). Bahraich.	
	Adenanthera Pavonia, *Linn.*	..	Erect tree.	Pale yellow.	March	Rainy season.	...	Tilkonia-Gorakhpur (Duthie's collection).	
	Prosopis spicigera, *Linn.*	Chinkúr.	Medium-sized tree.	Yellowish-white.	April—June.	...	...	Etawah, Bundelkhand also ini.	
	Dichrostachys cinerea, *W. & A.*	Kairi.	Shrub-small tree.	Yellow and pink.	Do.	...	...	Etawah and Bundelkhand.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Mimosa pudica, *Linn.*	Lájwanti.	Under-shrub.	Pink.	Rainy season		Sub-deciduous.	All over the circle.	The Sensitive plant.
	Mimosa rubicaulis, *Lamk.*	Alái, Amrá Hinsa (Gon.), Arai (Ban).	Shrub.	Do.	June—Nov.	Nov.—Jan.	Do.	Do.	Flowers also in the hot season.
	Mimosa hamata, *Willd.*	Ar.	Do.	Do.	Rainy season.	Cold season.	Deciduous.	Bundelkhand and Etawah.	
	Acacia Farnesiana, *Willd.*	Gandhail (Bah.)	Shrub or small tree.	Yellow.	Oct.—March.	Feb.—July.	Evergreen.	Pilibhit, Kheri, Gonda, Bahraich, and Gorakhpur.	Often planted.
	Acacia arabica, *Willd.*	Babúl.	Medium-sized tree.	Do.	May—Jan.	Feb.—April.	Do.	All over the circle; generally planted or naturalised.	
	Acacia ferruginea, *DC.*	...	Do.	Do.	...	Cold season.	...	Jhansi, Banda.	
	Acacia eburnea, *Willd.*	Kikar	Small tree or shrub.	Pale yellow or dull white.	Oct.—May.	Hot season.	Deciduous.	Gonda.	
	Acacia Jacquemontii, *Benth.*	Reonjá.	Shrub.	Yellow.	Jan.—May.	...	Evergreen.	Jhansi (Lalitpur); ravine lands in Agra Etawah.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*contd.*).	Acacia leucophlœa, *Willd.*	Reonjá, Rionjá; higwá.	Small medium-sized tree.	White	Aug.—Oct.	Jan.—June.	Deciduous.	Jhansi, Banda, Etawah.	
	Acacia Catechu, *Willd.*	Khair.	Medium-sized tree.	Yellow.	April—July.	Nov.—Feb.	Do.	All over the circle.	
	Var. Sundra Syn A. Sundra *DC.*	...	Moderate-sized tree.	Do.	Do.	Do.	Do	Banda.	
	Acacia lenticularis, *Ham.*	...	Small tree.	Do.	April-May.	January.	...	Pilibhit.	
	Acacia concinna, *DC.*	Rassauli, Ailá.	Climber	Yellowish white.	Feb.—May.	Dec.—March.	Evergreen.	Pillibhit, Kheri, Bahraich, Gonda, Gorakhpur.	Leaves acid; pod saponaceous and fleshy.
	Acacia Intsia, *Willd.*	Rassaul.	Do.	Yellow	April—Aug.	Jan.—March.	Do.	Gonda, Gorakhpur, Banda, and also possibly in moist localities in other divisions.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ—(*concld.*).	Acacia cæsia, *W. & A.*	...	Climber.	Yellow.	Rainy season.	Dec.—March.	Evergreen.	Pilibhit, Bahraich.	
	Acacia pennata, *Willd.*	Alái.	Do.	Dull-white.	June—Oct.	Jan.—June.	Do.	All over the circle.	
	Albizzia stipulata, *Boiv.*	Sirsá, Shám sundará.	Large tree.	Yellowish white.	March—May.	Cold season.	Sub-deciduous.	Do.	A second flush of flowers may occur in July.
	Albizzia Lebbek, *Benth.*	Siris, Arian, (Ban).?	Do.	Greenish white.	March—June.	Jan.-Feb.	Deciduous.	A common tree in the circle.	
	Albizzia odoratissima, *Benth.*	Sirsá.	Do.	Yellowish white.	Do.	Do.	Sub-deciduous.	All over the circle.	Flowers as early as January also, in Bundelkhand and Gorakhpur.
	Albizzia procera, *Benth.*	Siris, Safed Siris.	Large.	Do.	Rainy-season.	Jan.—April.	Deciduous.	Do.	
	Pithecolobium dulce, *Benth.*	...	Small tree.	White	Jan.—July.	June—Oct. ?	Evergreen.	Cultivated as a hedge plant within the area, sometimes naturalised.	The Manilla Tamarind.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colonr of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
ROSACEÆ.	Rubus lasiocarpus, *Smith.*	Kálá anchú.	Rambling shrub.	Pink.	Jan.—March.	May-June.	Evergreen	Pilibhit (Nakhatal), Kheri (Satyana).	
	Fragaria indica, *Ander.*	Tál palkiá.	Herb.	Yellow.	February.	June.	...	Pilibhit, Kheri, Gorakpur.	
	Rosa involucrata, *Roxb.*	Kúchetá.	Sub-scandent and spreading shrub.	White.	March—May.	Rainy season.	Evergreen	Gorakhpur, Bahraich.	
RHIZOPHORACEÆ.	Carallia integerrima, *DC.*	..	Large tree.	Dull white.	Dec.—April.	Do.	Do.	Pilibhit, Kheri, Gorakhpur, Bahraich.	
	Syn.								
	C. lucida, *Roxb.*	...	...	..	...	...	...	...	
COMBRETACEÆ.	Terminalia Bellerica, *Roxb.*	Baherá.	Large tree.	Greenish yellow.	March—May.	Nov.—March.	Deciduous	All over the circle.	
	Terminalia Chebula, *Retz.*	Harrá.	Medium-sized tree.	Yellowish white.	March—July.	Dec—March.	Do.	Do.	Flowers occasionally during the rainy season.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
COMBRETACEÆ—(*contd.*).	Terminalia Arjuna, *Beld.* Syn. T. glabra, *W. & A.*	Arjún, Kawá.	Large tree.	White	Jan.—June.	Nov.—April.	Deciduous.	Kheri, Etawah, Jhansi, Banda, probably also in other divisions.	Often planted and naturalised.
	Terminalia tomentosa, *W. & A.*	Asná	Do.	Do.	April—Aug.	Feb.—April.	Do.	All over the circle.	Flowers occasionally during the cold season.
	Combretum decandrum, *Roxb.*	Inth bel, Aiché	Sub-scandent spreading shrub.	Yellowish green.	Nov.—Feb.	April—June.	Evergreen	Do.	
	Combretum nanum, *Buch.—Ham.*	...	Switchy undershrub with woody root stock.	Greenish yellow.	Feb.—May.	June—Sept.	Dies back in winter.	Do.	In burnt areas and firelines.
	Anogeissus pendula, *Edgew.*	Dhaukrá, Kathdhái, Kardhái.	Small tree.	Green	August.	Dec.-Jan.	Deciduous.	Jhansi, Banda.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
COMBRETACEÆ—(*concld.*).	Anogeissus latifolia, *Wall.*	Bánji, Dháú.	Medium-sized large tree.	Green-inconspicuous.	May-June.	Dec.-Jan.	Deciduous.	Gonda, Bahraich, Banda, Jhansi.	
	Quisqualis indica, *Linn.*	...	Spreading sub-scandent shrub.	White-pink turning red.	...	...	...	...	The Rangoon Creeper. Cultivated.
MYRTACEÆ.	Eugenia operculata, *Roxb.*	Madar jamuá.	Medium-sized tree.	White.	Feb.—May.	June-July.	Deciduous.	Pilibhit, Gonda, Kheri, Bahraich, Gorakhpur.	A second flush of flowers sometimes occurs in the rainy season, fruits being formed in winter.
	Eugenia Jambolana, *Lam.*	Jamún, jamúá.	Large tree.	Do.	March—June.	June—Aug.	Evergreen	All over the circle.	
	Eugenia Heyneana, *Duthie.*	Kath jamun.	Small tree.	Do.	...	...	Do.	Banda, also banks of Betwa river near Rajghat (Duthie).	
	Eucalyptus tereticornis, *Smith.*	...	Large tree.	Do.	...	..	Do.	Planted in Kheri.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
MYRTACEÆ—(*concld.*).	Barringtonia acutangula, *Gærtn.*	Injarh, Neorá, Panihá (Gor.).	Small tree.	Scarlet.	March—July.	Sep.-Oct.	Sub-deciduous.	Pilibhit, Kheri, Gonda. Bahraich, Gorakhpur, Jhansi.	
	Careya arborea, *Roxb.*	Kumbi	Small medium-sized tree.	Pink.	March—May.	July.	Deciduous.	All over the circle.	
	Careya herbacea, *Roxb.*	Chotákumbi.	Under-shrub with a woody base.	Do.	March—June.	July-Aug.	Dies back annually in winter.	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur.	
LYTHRACEÆ.	Woodfordia floribunda, *Salisb.*	Dhenti, Dhaurá Adhónta (K) Dhawái (Ban. J). Dhái (Ban.).	Shrub.	Scarlet.	Jan.—May.	April—June.	Sub-deciduous.	All over the circle.	
	Lawsonia alba, *Lamb*	Mehndi.	Shrub, small tree.	Greenish white.	Throughout the year.		Evergreen.	Cultivated all over the circle, occasionally naturalised.	

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1	2	3	4	5	6	7	8	9	10
LYTHRACEÆ—(*concld.*).	Lagerstrœmia Flos-Reginæ, *Retz.*	...	Medium sized-large tree.	Purple.	May-June.	Cold season.	Deciduous.	Gorakhpur, along nalas (Jagpur Surpár) often cultivated in gardens throughout the circle.	Flowers also during the rains.
	Lagerstrœmia parviflora, *Roxb.*	Sidh, asidh.	Do.	White.	April—July.	Nov.-Dec.	Do.	All over the circle.	Fruits persist long after ripening.
	Punica Granatum, *Linn.*	Anár.	Small tree.	Scarlet.	...	...	Evergreen.	Cultivated.	
ONAGRACEÆ.	Jussiæa suffruticosa, *Linn.*	...	Undershrub.	Yellow.	March—Nov.	Nov.-Dec.	Do.	All over the circle in open wet places.	
	Trapa bispinosa, *Roxb.*	Singhárá.	Herb.	White.	March—Sep.	Cold season.	...	Common in jhils and tanks in the area.	The Water Chestnut.
SAMYDACEÆ.	Casearia graveolens, *Dalz.*	Narhá (Gor.), Pipriá (J.).	Small tree.	Green.	May-June.	July-Aug.	Deciduous.	All over the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Colour of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
SAMYDACEÆ—(*concld.*).	Casearia tomentosa, *Roxb.*	Chillá.	Small-medium-sized tree.	Green.	Jan.—June.	April—July.	Sub-deciduous.	All over the circle.	Flowers early in Bundelkhand.
CACTACEÆ	Opuntia Dillenii, *Haw.*	Nágphan.	Shrub.	Yellow.	May-June.	Nov.-Dec.	Deciduous.	Naturalised all over the circle.	
ARALIACEÆ.	Heteropanax fragans, *Soum.*	...	Small tree.	Yellowish green.	Nov.-Dec.	Dec.-Jan.	Evergreen.	Pilibhit.	
CORNACEÆ.	Alangium Lamarckii, *Thwaites.*	Akólá Akóhar.	Do.	White.	Feb.—April.	May—July.	Deciduous.	All over the circle.	
	Marlea begoniæfolia *Roxb.*	...	Do.	Greenish white.	March—June.	Rainy season	Evergreen.	Gorakhpur (Kalnahi).	
RUBIACEÆ.	Cephalanthus naucleoides, *DC.*	Jalkaem ...	Shrub to small tree.	White.	April—June.	Do.	Do	Pilibhit, Gonda, Gorakhpur, Bahraich in swamps.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
RUBIACEÆ —(*contd.*).	Adina cordifolia, *Hook. f.*	Tikúi, Karmá, Haldú.	Large tree.	White	June-July.	Cold season.	Deciduous.	All over the circle.	Ripe fruits persist on the tree till April and May.
	Stephegyne parvifolia, *Korth.* Syn. Mitragyna parvifolia, *Korth.*	Kaem, Tikúi.	Do.	Do.	Do.	Do.	Do.	Do.	Do.
	Hymenodictyon excelsum, *Wall.*	Bhúrkúr.	Do.	Do.	May—July.	Jan.—March.	Do.	Do.	
	Wendlandia exserta, *DC.*	...	Small tree.	Do.	Dec.—April.	Dec.-Jan.	Evergreen.	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur, on broken ground.	
	Wendlandia tinctoria, *DC.*	...	Do.	Greenish white.	Jan.-Feb.	April.	Do.	Gonda, Bahraich	
	Randia uliginosa, *DC.*	Pindar, Pirará	Do.	White.	April—May.	Nov.—Jan.	Deciduous.	All ove the circle.	

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1	2	3	4	5	6	7	8	9	10
RUBIACEÆ —(*contd.*).	Randia dumetorum. *Lamk.*	Maini.	Small tree.	White turning yellow.	March—June.	Dec.—Feb.	Deciduous.	All over the circle.	
	Gardenia latifolia. *Thw.*	Paprá.	Do.	White.	April-May.	Dec.—June.	Do	Banda, Jhansi.	
	Gardenia turgida *Roxb.*	Gurgiá, Kharar.	Do.	Do	*March—June.	Jan.—March.	Do.	All over the circle.	* Occasionally flowers at other times of the year.
	Hyptianthera stricta, *W. & A.*	...	Shrub.	Green.	April-May.	Cold season.	Evergreen.	Bahraich, Gonda, Gorakhpur.	
	Ixora parviflora, *Vahl.*	Khujhá.	Shrub-small tree.	White or pink.	†March—May.	June-July.	Do.	Bahraich, Gonda, Gorakpur, Banda, Jhansi.‡	The Torch tree. †Also in the rainy season. ‡ Often cultivated.
	Ixora undulata, *Roxb.*	...	Do.	White.	May-June.	...	Do.	Gorakhpur, (Domakhand).	
	Pavetta indica, *Linn.*	...	Shrub.	Do.	June—Aug.	Nov.—Jan.	Do.	Pilibhit, Bahraich, Gorakhpur, Jhansi, Banda.	Probably throughout the circle.

Family.	Genus and species	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
RUBIACEÆ —(*concld.*).	Coffea Benghalensis, *Roxb.*	...	Small under-shrub.	White.	April—May and also in the rainy season.	Cold season.	Deciduous.	Gorakhpur.	
	Hamiltonia suaveolens, *Roxb.*	...	Shrub.	Lilac	Oct.—Jan.	Hot season.	Do.	Gonda, Bahraich.	Flowers also in the rains; fetid smelling when bruised.
	Morinda tinctoria, *Roxb.*	...	Small tree.	White.	May—Sep.	Jan.-Feb.	...	Jhansi, Etawah.	
	Anthocephalus Cadamba, *Miq.*	Kadam.	Large tree.	Yellowish white.	May—July.	Aug.—Oct.	Evergreen.	...	Planted and often naturalised.
	Vangueria spinosa, *Roxb.*	Chotá maini.	Shrub.	Green.	April—June.	Rainy season.	...	Pilibhit (Tarai Range), Gonda (Tikri) Gorakhpur (Sakhui, Domakhand).	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
COMPOSITÆ.	Vernonia, Roxburghii, *Less.*	...	Under shrub.	Purple.	Sep.—Nov.	Cold season.	Dies back annually.	All over the circle.	
	Inula Cappa, *DC.*	...	Do.	Yellow.	Do.	Do.	...	All sal forests of the circle.	
	Artemisia vulgare, *Linn.*	...	Shrub-like annual.	Yellowish green.	Rainy season.		...	Bahraich.	
	Echinops echinatus, *DC.*	...	Herb.	Purple.	April—Nov.	Cold season.	...	All over the area in waste lands, also in Etawah.	
	Ageratum conyzoides, *L.*	...	Do.	Do.	Rainy season.	Rainy season.	...	Introduced weed; in moist situations all over the circle.	
	Cnicus arvensis, *Hoffn.*	...	Do.	Do.	Feb.—June.	...	...	All over the circle. Specially in cultivated ground.	
PLUMBAGINACEÆ.	Plumbago zeylanica, *Linn.*	Chitra, Chitwar.	Perennial herb.	White.	May—Nov.	...	...	Planted and naturalised all over the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
MYRSINACEÆ.	Embelia robusta, *Roxb.*	Baibirang.	Rambling shrub.	Green.	March—Sep.	Nov.—March.	Sub-deciduous.	All over the circle.	Flowers sometimes as late as October.
	Ardisia humilis, *A. DC. Syn.* A. solanacea, *Roxb.*	Mujrawá (Gon.) Bhakmal (Gor.)	Shrub.	Pink.	March—May.	Cold season.	Evergreen.	Pilibhit, Gonda, Gorakhpur, Kheri, Bahraich.	Flowers and fruits also at other times of year.
	Maesa indica, *Wall.*	...	Do.	White.	March.	Dec.—Feb.	Do.	Pilibhit-Nakhatal.	Kanjilal's collection.
SAPOTACEÆ.	Bassia latifolia, *Roxb.*	Mahúá.	Large tree.	Do.	Feb.—April.	June-July.	Deciduous	All over the circle.	
	Bassia butyracea, *Roxb.*	Chilli, Cheoli	Do.	Pale yellow.	Nov.—Jan.	Do.	Do.	Bahraich, Gonda	
	Mimusops hexandra, *Roxb.*	Khirni.	Do.	White.	Do.	April-May.	Evergreen.	Often cultivated. Pilibhit, Gorakhpur, Bahraich, Jhansi, Banda, Etawah.	
	Mimusops Elengi, *Linn*	Maulsari.	Medium-sized tree.	Dull white.	March—June.	June-July.	Do.	Cultivated.	

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1	2	3	4	5	6	7	8	9	10
EBENACEÆ.	Diospyros tomentosa, *Roxb.*	Tendú, áblús, ábnús.	Medium-sized large tree.	Brown (hairy).	May-June.	April—June.	Deciduous.	All over the circle.	United with D. melonoxylon, Roxb.
	Diospyros montana, *Roxb.*	Bish tendú, Bhak-tendú.	Small tree.	Greenish white.	April—June.	Jan.	Do.	Gonda, Bahraich, Jhansi, Banda	
	Diospyros cordifolia, *Roxb.*	Bish-tendu.	Do.	Do.	April-May.	Jan.—June.	Do.	Bahraich, Gonda, Etawah.	Probably also in Pilibhit, Kheri and Gorakhpur.
	Diospyros, Kanjilali, *Duthie.*	Do.	Medium-sized small tree.	Green.	Do.	Cold season.	Do.	Pilibbit, Gonda, Gorakhpur.	
	Diospyros chloroxylon, Roxb.	...	Small to middle-sized tree.	White.	Hot season.	...	...	Bahraich.*	*Mr. W. J. Lamber also Duthie's collection.
	Diospyros Embryopteris, *Pers.*	Kálá-tendú.	Medium-sized tree.	Dull white.	Do.	May.	Evergreen.	All over the circle.	In swampy situations.
	Diospyros Holeana, *Gupta & Kanjilal.*	...	Do.	...	May-June.	October.	Do.	Gonda.	Closely allied to D. Embryopteris.

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1	2	3	4	5	6	7	8	9	10
STYRACEÆ.	Symplocos racemosa, *Roxb.*	Lódh.	Shrub, small tree.	White	Nov.—Jan.	Dec.—May.	Evergreen.	Gonda, Gorakhpur (Madhola Sumpar) Bahraich.	A second flush of flowers occurs in May.
OLEACEÆ.	Jasminum pubescens, *Willd.*	Chameli.	Climbing shrub.	Do.	Nov.—April.	April-May.	Do.	All over the circle	Flowers also during the rains.
	Jasminum arborescens, *Roxb.*	Do.	Scandent or suberect shrub.	Do.	April—June.	June-July.	Deciduous.	Do.	Not common. Flowers sometimes as early as January and also in July.
	Jasminum breviperiolatum, *Duthie.*	...	Shrub.	Do.	May-June.	...	Evergreen.	Pilibhit-Dhaurara Range; Kheri Sathiana Range; Bahraich.	
	Jasminum auriculatum, *Vahl*	...	Climbing shrub.	Do.	May.	...	...	Etawah.	
	Nyctanthes arbor-tristis, *Linn.*	Harsingár; Sujari.	Small tree.	White with orange tube.	Sep.-Oct.	Jan.—March.	Deciduous.	All over the circle.	
	Schrebera swietenoides, *Roxb.*	Ghónt.	Medium-sized tree.	White.	May-June.	Feb.-March.	Do.	Jhansi, Banda	

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1	2	3	4	5	6	7	8	9	10
OLEACEÆ—(*concld.*).	Linociera intermedia, *Clarke.*	...	Medium-sized.	White.	...	...	...	Gonda, Kheri (Bhirá); Bahraich.	
SALVADORACEÆ.	Salvadora, oleoides, *Dene.*	Jhál.	Shrub.	Dull white.	Jan.—April.	...	Evergreen.	Etawah	
APOCYNACEÆ.	Carissa Carandas, *Linn.*	Karaundá.	Do.	White.	April-May.	Cold season.	Do.	...	Usually cultivated. Flowers during the rains also.
	Carissa spinarum, *A. DC.*	Karaundá, Karwan.	Do	Do.	Dec.—June.	Do.	Do.	All over the circle, also Etawah.	Flowers also in September.
	Rauwolfia serpentina, *Benth.*	Damarbaruá.	Undershrub.	White and pink.	March - June.	July.	Do.	Pilibhit, Kheri, Bahraich, Gonda, Gorakhpur.	
	Alstonia scholaris, *R. Br.*	Chatianá.	Large tree.	Dull white.	Dec.—May.	June-July.	Do.	Do.	
	Holarrhena antidysenterica, *Wall.*	Indrajau, Kurá.	Small tree.	White.	March—July.	Cold season.	Deciduous.	All over the circle.	
	Tabernæmontana coronaria, *Stapf.*	Chándni.	Shrub.	Do.	March—Nov.	Do.	Evergreen.	Pilibhit, Gorakhpur, Bahraich.	

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APOCYNACEÆ—(*contd.*).	Vallaris Heynei, *Spreng.*	Dudhi.	Climbing shrub.	White.	Feb.—May.	Cold season.	Sub-deciduous.	All over the circle.	
	Wrightia tinctoria, *R. Br.*	Do.	Small tree.	Do.	April-May.	Do.	Deciduous.	Bahraich Banda, Jhansi.	
	Wrightia tomentosa, *R. & S.*	Dudhi, indrajau.	Do.	Do.	Jan. — July.	Do.	Do.	All over the circle.	
	Nerium odorum, *Soland.*	Kaner.	Do.	Rose or white.	April - June.	Do.	Evergreen.	Believed to be indigenous in North South (Gonda, Bahraich) in banks of rocky streams.	Cultivated in gardens.
	?Aganosma caryophyllata, *G. Don.*	...	Woody climber	White.	Aug.	Do.	Do.	Pilibhit.	
	Rhynchodia Wallichii, *Benth.*	...	Do.	Do.	...	Do.	...	Pilibhit-Nawadia (very rare).	
	Ichnocarpus frutescens, *R. Br.*	Dudhi.	Do.	Dull white	Sep.—Jan.	March-April.	Deciduous.	All over the circle.	

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1	2	3	4	5	6	7	8	9	10
APOCYNACEÆ—(*concld.*).	Thevetia nerifolia, *Juss.*	Pilá-kaner.	Small tree.	Yellow.	Greater part of the year.	Greater part of the year.	Evergreen.	Introduced.	Cultivated.
	Plumieria acutifolia, *Poiret.*	Gúlchin.	Do.	White, yellow towards the centre.	March—Oct.	...	Deciduous.	...	Do.
ASCLEPIADACEÆ.	Hemidesmus indicus, *R. Br.*	Káli-kapúri.	Slender climber	Green.	Hot and rainy seasons.	Cold season.	Subdeciduous.	All over the circle.	
	Cryptolepis Buchanani, *R. and S.*	Dúdhi.	Woody climber.	Yellowish white.	April—Sep.	Do.	Do.	Do.	
	Calotropis gigantea, *R. Br.*	Safed-ák, mádár.	Shrub.	White and bluish pink.	Throughout the year.	Throughout the year.	Evergreen.	Do.	Flower buds ovoid
	Calotropis procera, *R Br.*	A'k ; madár.	Do.	White and pink.	Do	Do.	Do.	Ditto and also Etawah.	Flower buds hemispheric.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
SCLEPIADACEÆ—(*contd.*).	Calotropis Acia, *Ham.*	...	Sub-herbaceous.	Pink.	May—July.	Cold season.	Annual.	Pilibhit. Kheri. Bahraich in open forests.	
	Holostemma Rheedianum, *Spreng.*	...	Climbing shrub.	White and pink.	June—Sep.	Do.	Deciduous.	Pilibhit, Bahraich.	
	Oxystelma esculentum, *R. Br.*	...	Slender climber.	Pinkish white with purple streaks.	June—Oct.	...	...	Gorakhpur, Pilibhit, Banda.	Probably also occurs in the Oudh divisions
	Gymnema tingens, *W. & A.*	...	Woody climber.	Greenish yellow.	Feb.	Cold season.	Sub-deciduous.	Pilibhit, Gorakpur and Oudh divisions.	
	Gymnema sylvestre, *R. Br.*	...	Scandent shrub.	Yellow.	April-May.	...	...	Banda.	
	Pentatropis spiralis *Dene.*	...	Chimber	Green.	...	...	...	Etawah.	
	Dæmia extensa, *R. Br.*	...	Herbaceous climber.	Do.	Jan.—April.	...	...	Etawah, Banda, Jhansi, Bahraich.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flowers.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
ASCLEPIADACEÆ — (*contd.*).	Marsdenia tenacissima, *W. & A.*	..	Climbing shrub.	Green.	April—June.	Cold season.	Sub-deciduous.	Pilibhit, Gonda, Banda, and probably all over the circle; not common.	Often mistaken Dregea volubil *Benth.*
	Marsdenia Hamiltonii, *Wight.*	...	Scandent undershrub with woody base.	Do.	Do.		Dies back annually.	Pilibhit, Gorakhpur, and Oudh divisions in fire traces.	
	Marsdenia lucida, *Edgew.*	...	Woody climber.	Purple.	Oct.-Nov.	...	...	Gonda, Bahraich.	
	Pergularia pallida, *W. & A.*	...	Do.	Pale yellow.	May—July.	Cold season.	...	Bahraich.	
	Dregea volubilis, *Benth.*	...	Do.	Green.	April—Oct.	Do.	Sub-deciduous.	All over the circle in open forests.	
	Tylophora fasciculata *Buch. Ham.*	Kapúri.	Switchy undershrub.	Do.	April—July.	Rainy season.	Dies back annually.	Gorakhpur, Bahraich.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks
1	2	3	4	5	6	7	8	9	10
ASCLEPIADACEÆ—(concld.).	Tylophora rotundifolia, *Buch. Ham.*	...	Climbing shrub.	Green.	May—July.	Rainy season.	...	Pilibhit, Kheri, Gonda, Gorakhpur Bahraich.	
	Tylophora asthmatica, *Wt. and Arn.*	...	Slender climber.	Do.	May-June.	...	...	Gonda (rare).	
	Leptadenia reticulata, *W. and A.*	...	Climbing shrub.	Dull white.	April—July.	Cold season.	Deciduous.	Pilibhit, Gorakhpur, Gonda, Bahraich, Kheri.	
	Leptadenia spartum, *W. and A.*	...	Leafless shrub.	Dull yellow.	Nov.—Jan.	March-April.	...	Etawah.	
	Orthanthera viminea, *Wight.*	Mahúr ghás (Pil. Bah., Gon.) Piábansá (J.)	Leafless erect shrub.	Brown.	Feb.—May.	Sept.—Nov.	...	Pilibhit, Bahraich, Gonda, Jhansi.	
LOGANIACEÆ.	Buddlea asiatica, *Lour.*	...	Shrub.	White.	Dec.—June.	March—May.	Evergreen.	All over the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LOGANIACEÆ—(*concld.*)	Strychnos Nux-vomica, *Linn.*	Kúchlá.	Small tree	White.	April—May.	Cold season.	Evergreen.	Naturalised in Gorakhpur. Planted elsewhere.	The Strychnine tree.
	Strychnos potatorum, *Linn. F.*	Bish-kathuá ; nirmali.	Do.	Do.	Hot season.	Do.	Deciduous.	Banda.	
GENTIANACEÆ.	Exaeum tetragonum, *Roxb.*	Jangniá.	Stout herb.	Purple.	April—Oct.	Do.	...	All over the circle in damp ground.	
	Swertia angustifolia, *Buch. Ham.*	Chiritá.	Herb.	Purplish white mottled with blue.	Oct.—Dec.	Do.	...	Bahraich.	
BORAGINACEÆ.	Cordia Myxa, *Linn.*	Lasórá.	Medium-sized. tree.	White.	March—May.	July—Sep.	Deciduous.	All over the circle.	
	Cordia Macleodii, *Hk. f. & T.*	Bará-lissórá.	Do.	Do.	March.—April	May.	Do.	All over the circle : not common	

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1	2	3	4	5	6	7	8	9	10
BORAGINACEÆ—(*concld.*).	Cordia vestita, *Hk. f. & T.*	Ajantá.	Medium-sized tree.	Yellowish. white.	March—May.	Oct.	Deciduous.	Gonda, Bahraich, Banda, Jhansi.	
	Ehretia acuminata, *R. Br.*	...	Do.	White.	March—July.	Nov.-Dec.	Do.	All over the circle, not common.	Found mostly on clayey soils.
	Ehretia lævis, *Roxb.*	Gúrji, datrangá.	Small tree.	Do.	Jan.—June.	Jan.—April.	Do.	All over the circle.	
	Trichodesma indicum, *R. Br.*	...	Herb.	Pinkish white to pale blue.	February to	November.	...	Do	
	Rhabdia lycioides, *Mart.*	...	Undershrub.	Pink.	Oct.-Nov.	Jan.-Feb.	...	Bundelkhand (Rajghat)-Duthie.	Rocky beds of streams.
CONVOLVULACEÆ.	Cuscuta reflexa, *Roxb.*	Akásbour, Akásbel, Amar bour.	Leafless parasite.	Dull white.	Sept.—Feb.	Dec.—March.	...	All over the circle.	
	Erycibe paniculata, *Roxb.*	...	Woody climber.	Yellowish white.	April—June.	April-May.	Evergreen.	Do.	Flowers also in November and December.

Family.	Genus and species.	Varnacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
ONVOLVULACEÆ—(*contd.*).	Porana paniculata, *Roxb.*	U'jal bel.	Woody climber.	White.	Oct.—Feb.	Feb.—May.	Sub-deciduous.	All over the circle.	
	Ipomœa pataloidea, *Choisy.*	...	Climbing shrub.	Yellow.	April-May.	Oct.—	...	Jhansi, Gonda, Bahraich.	
	Ipomœa reptans, *Poir.*	Kalmi.	Aquatic herb.	Pink and purple.	Cold season.	Cold season.	...	All over the circle in ponds.	Leaves are eaten as vegetable.
	Ipomœa Turpethum, *R. Br.* *Syn.* Operculina Turpethum, *Manso.*	...	Climber.	White.	Oct.—Jan.	Jan.—Oct.	Dies back annually.	Pilibhit, Bahraich, Gorakhpur, Banda.	Probably all over the circle.

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1	2	3	4	5	6	7	8	9	10
CONVOLVULACEÆ—(*contd.*).	Ipomœa Bonanox, *Linn.*	...	Large annual climber	White.	Rainy season.	Rainy season.	...	Cultivated.	
	Ipomœa Quamoclit, Linn.	...	Climbing annual.	Red white.	August.	Nov	...	Cultivatad, but frequently found as an escape within the area.	
	Ipomœa coccinea. *Clarke.*	...	Do.	Red.	Do.	Do	...	Do.	
	Ipomœa hederacea, *Jacq.*	...	Extensive climbing annual.	Blue and pink.	Rainy.	Season.	...	All over the circle.	Probably an escape from cultivation. Seeds—known as kaládáná in vern. —are medicinal.
	Ipomœa muricata, *Jacq.*	...	Climbing annual.	Pink and white to rose purple.	Do.	...	...	Jhansi.	

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CONVOLVULACEÆ—(*concld.*).	Rivea hypocrateriformis, *Chois.*	Phang.	Climbing shrub.	White.	Rainy season.	Rainy season	...	Jhansi, Banda.	
	Rivea ornata, *Chois.*	...	Subscandent or erect shrub.	Pinkish white.	Do.	Do.	Evergreen.	Pilibhit, Bahraich, Kheri.	
	Argyreia speciosa, *Sweet.*	...	Woody climber.	Rose.	Rainy season.	Cold season.	Do.	Naturalised within the area of the circle.	Jhansi, Banda, etc.
	Lettsomia Thomsoni, *Clarke.*	...	Climber.	Rose-purple.	Do.	Do.	Deciduous.	Pilibhit, Kheri, Bahraich, Gonda, Gorakhpur,	
	Lettsomia setosa, *Roxb.*	...	Extensive climber.	Rose coloured.	Oct.-Nov.	Jan.-Feb.	Do.	Jhansi, Pilibhit.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks
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SOLANACEÆ.	Solanum nigrum, *Linn.*	Makoiá.	Annual herb.	White.	Throughout the year.	Throughout the year.	...	An abundant weed of waste lands.	
	Solanum verbascifolium, *Linn.*	Jhúla (P), Bantamákhú (J, Bah.), Bághmará (Bah.).	Shrub.	Dull white.	Do.	Do.	Evergreen.	Throughout the circle.	
	Solanum Xanthocarpum, *Sohrad.*	Bhat-kateri, Kateriá, Kataiá.	Herb.	Purplish blue.	Do.	Do.	Do.	All over the area as a weed in waste lands.	
	Solanum indicum *Linn.*	Bhat-katiá.	Shrub.	Blue.	Do.	Do.	Herbaceous portions die back	All over the circle and also Etawah.	
	Solanum incanum, *Linn.*	...	Undershrub.	Do.	Do.	Do.	Evergreen.	Kheri, Bahraich, Jhansi, Etawah.	
	Withania somnifera, *Dunal.*	Asgandh, Askand.	Do.	Greenish yellow.	Do.	Do.	Do.	Pilibhit, Kheri, Bahraich, Etawah, Banda.	

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OLANACEÆ—(concld.).	Datura fastuosa, *Linn.*	Dhatúrá.	Shrub.	Purplish white.	Almost throughout the year.		Evergreen.	Naturalised throughout the circle.	
IGNONIACEÆ.	Oroxlyum indicum, *Vent.*	Ulú, Asár-sonná.	Small tree.	Greenish yellow.	May—Aug.	Cold season.	Deciduous.	All over the circle.	
	Tecoma undulata, *Seem.*	Reorá.	Shrub.	Orange red.	Oct.—April	...	Evergreen.	Jhansi, Banda.	
	Dolichandrone falcata, *Seem.*	Jáchair.	Medium-sized tree.	White.	Hot season.	Cold season.	Deciduous.	Do.	
	Stereospermum chelonoides, *DC.*	Chotá pádal.	Do.	Yellow tinged with purple.	April—June.	Dec.	Do.	Gonda, Bahraich.	
	Stereospermum suaveolens, *DC.*	Pádal.	Large tree.	Greenish purple.	April-May.	Cold season.	Do.	All over the circle.	
	Mellingtonia hortensis, *Linn.*	Akásnim, Nimchameli.	Do.	White.	Sep.—Dec.	...	Evergreen.	Planted throughout the area of the circle.	

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1	2	3	4	5	6	7	8	9	10
PEDALIACEÆ.	Martynia diandra, *Glox.*	Bichú.	Tall herb.	Purple mottled with yellow.	Rainy season.	Cold season.	Annual.	Naturalised in waste lands.	The Tiger claw or Devil's claw.
ACANTHACEÆ.	Thunbergia coccinea. *Wall.*	...	Climbing shrub.	Orange red.	Dec.—April.	Rainy season.	...	Pilibhit-naturalised.	
	Thunbergia grandiflora, *Roxb.*	...	Do.	Blue and white.	Rainy season.	...	...	Cultivated within the area.	
	Ruellia patula, *Jacq.*	...	Small shrub.	White.	...	...	...	Banda.	
	Ruellia prostrata, *Lamk.*	...	Diffuse undershrub.	Pale-purple.	March.	May.	...	Bahraich Banda and probably all over the circle.	
	Ruellia suffruticosa, *Roxb.*	..	Undershrub with woody root stock and fleshy roots.	White.	April—July.	...	Dies back annually.	In fire lines and burnt areas in Pilibhit, Kheri, Bahraich, and Gorakhpur.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
ACANTHACEÆ—(*contd.*).	Æchmenthera tomentosa, *Nees.* Var. Wallichii	...	Woody shrub.	Pale blue.	Feb.-March.	May.	Deciduous.	Gonda, Bahraich.	Older branches felted with woolly hairs.
	Petalidium barlerioides, *Nees.*	...	Small shrub.	Yellowish white.	Feb.—June.	June-July.	Do.	All over the circle.	
	Dædalacanthus nervosus, *T. Anders.*	...	Undershrub.	Blue.	Feb—May.	April—June.	Evergreen.	Gonda, Gorakhpur, Pilibhit, Kheri, Bahraich.	
	Dædalacanthus purpurascens, *T. Anders.*	...	Do.	Purple.	Jan.—March.	...	...	Kheri, Gonda, Bahraich, Gorakhpur, Banda, Jhansi.	
	Strobilanthes angustifrons, *Clarke*	...	Do.	Bluish purple.	Jan.—May.	...	Evergreen.	Gonda.	
	Phlogacanthus thyrsiflorus, *Nees.*	...	Shrub.	Orange-red.	Feb.—April.	May-June.	Do.	Pilibhit, Kheri Gonda, Gorakhpur, Bahraich.	In moist shady localities.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks
1	2	3	4	5	6	7	8	9	10
NTHA-ÆE— *wtd.*).	Barleria Prionitis, *Linn.*	...	Under-shrub.	Orange-yellow.	Oct.—Jan.	Dec.-Jan.	Deciduous.	Bahraich Jhansi, Banda.	Spiny at the axils
	Barleria cristata, *Linn.*	...	Under-shrub.	Purple.	May—Oct.	Dec.—April.	Sub-deciduous.	All over the circle.	
	Barleria strigosa, *Willd.*	...	Do.	Blue.	Oct.—Dec.	Dec.-Jan.	Ever-green.	Kheri, Jhansi, Banda Bahraich probably all over the circle.	
	Lepidagathis cuspidata, *Nees.*	...	Do.	Yellow-ish white streaked with purple.	March—May.	June.	Do.	Bahraich.	
	Adhatoda Vasica, *Nees.* Syn. Justicia Adhatoda, *Linn.*	Arusá, Rúsá, Bánsá.	Shrub.	White streaked with purple.	Oct.—May.	Feb.—May.	Do.	All over the circle, often gregarious.	

Family.	Genus and species.	Vernacular names.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
ACANTHACEÆ—(*concld.*).	Justicia Gendarussa, *Linn. f.*	...	Under-shrub.	White mottled with pink.	Nov.—April.	Nov —April.	Evergreen.	Kheri, Gorakhpur as escapes from cultivation.	
	Peristrophe bicalyculata, *Nees.*	Gobra.	Annual herb.	Purple.	End of rainy season and cold season.		...	Abundant within the area in loose soils.	
	Dicliptera Roxburghiana, *Nees.*	...	Under-shrub or perennial herb.	Pink.	Oct.	June	...	All over the area.	
VERBENACEÆ.	Lantana indica, *Roxb.*	...	Shrub.	White yellow-red.	Throughout the year.		Evergreen.	All over the circle also Etawah.	
	Lantana cammara, *Linn.*	...	Shrub.	Yellow orange pink and red.	Do		Subdeciduous.	Jhansi, (naturalized)	Naturalized in many other parts of the province.

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1	2	3	4	5	6	7	8	9	10
VERBENACEÆ—(*contd.*).	Lippia nodiflora, *Rich.*	...	Perennial herb.	Pink.	Greater part of the year.		Subdeciduous.	In moist places, (e. g. river banks) all over the circle.	
	Callicarpa arborea, *Roxb.*	Dayá.	Small tree.	Purple.	April—June.	Aug.—Jan.	Do.	Pilibhit, Kheri Gonda, Gorakhpur, Bahraich.	
	Callicarpa macrophylla, *Vahl.*	Motiá (P).	Shrub.	Do.	March—Nov.	Cold season.	Do.	Throughout the area.	
	Tectona grandis, *Linn.*	Ságón, Sádón.	Large tree.	Dull white.	July-Aug.	Nov.-Dec.	Deciduous.	Jhansi, Banda; planted and naturalised in Gorakhpur.	
	Gmelina arborea, *Roxb.*	Kamhár.	Medium-sized tree.	Yellow and brown.	Feb.—May.	May-June.	Do.	All over the circle.	

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VERBENACEÆ—(*contd.*).	Premna mucronata, *Roxb.*	Augná (K., Gainyári (P., K., Bah., Gon.) Nágrá, (Gor.).	Small-medium-sized tree.	Greenish white.	April—June.	June-July.	Deciduous	All over the circle.	
	Premna barbata, *Wall.*	...	Small tree.	Wh e.	April-May.	Do.	Do.	Do.	Fruits persist long after maturity.
	Premna coriacea, *Clarke.*	...	Scandent shrub.	Do.	April.	May.	...	Gorakhpur (Nichlaul).	
	Premna herbacea, *Roxb.*	...	Annual from a woody root stock	Do.	March—June.	June.	...	Pilibhit, Kheri, Gonda, Gorakhpur, Bahraich.	
	Vitex Negundo, *Linn.*	Nisendá, Sumbhálu.	Shrub or small tree.	Blue.	Most part of the year specially April—June.	Most part of the year.	Evergreen.	All over the circle.	
	Clerodendron, phlomoides, *Linn f.*	Ini, Eni.	Do.	Pinkish white.	Most part of the year.		Do.	Jhansi, Etawah, Pilibhit, Bahraich, Banda.	

Fam.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
RBENA-ÆÆ—*ntd.*).	Clerodendron serratum. *Spreng.*	Chailbarang.	Shrub.	Blue purple or blue white.	April—Aug.	June—Nov.	Evergreen.	Jhansi, Pilibhit, Gonda, Bahraich.	
	Clerodendron infortunatum, *Linn.*	Bhánt.	Undershrub.	White and pink.	Nov.—June.	May—July.	Deciduous.	All over the circle.	
	Clerodendron Siphonanthus, *Br.*	...	Shrub.	White and cream.	June—Oct.	Sep.—Jan.	Evergreen.	All over the circle.	
	Holmskioldia sanguinea, *Retz.*	...	Straggling shrub.	Crimson.	Octr.—Jan.	Cold season.	Deciduous.	Gonda, Bahraich.	
	Caryopteris Wallichiana. *Schauer.*	...	Erect shrub.	Purple and blue.	Jan.—June.	Jan.—June.	Evergreen.	Pilibhit, Bahraich, Gonda, Gorakhpur, also probably Kheri.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks
1	2		4	5	6	7	8	9	10
VERBENACEÆ—(*concld.*)	Duranta Plumieri, *Jacq*	Nil-kánta.	Spreading shrub.	Blue and white.	Rainy season.	Rainy season.	Evergreen.	Cultivated within the area commonly as a hedge plant (introduced).	
LABIATÆ.	Ocymum sanctum, *Linn.*	Tulsi.	Undershrub.	Pale pink.	Hot and rainy season	Sep.-Oct.	Dies back annually.	Naturalised in Jhansi.	
	Ocymum basilicum, *Linn.*	Kali-tulsi.	Herbaceous.	Purple.	Greater part of the year.	Greater part of the year.	...	Kheri, Gorakhpur.	
	Orthosiphon pallidus, *Royle.*	...	Annual from a woody root-stock.	White and pink.	April-May.	Rainy season.	...	Bahraich (Kakardari) (Duthie's collection.)	
	Orthosiphon rubicundus *Benth.*	Serwári (Bah.)	Do.	White and purple.	April—July.	Do.	Dies back annaully.	All over the circle in fire traces and grass lands.	

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1	2	3	4	5	6	7	8	9	10
LABIATÆ—(*concld.*)	Plectranthus ternifolius, *D. Don.*	...	Tall herb.	Blue.	Sep.—Nov.	Cold season.	...	Firelines, in Pilibhit, Kheri.	
	Pogostemon plectranthoides, *Desf.*	...	Spreading shrub.	Pink.	Greater part of the year specially Feb.—Oct.	Greater part of the year.	Evergreen.	All over the circle often gregarious.	
	Colebrookia oppositifolia, *Sm.*	Chaurá.	Undershrub.	Dull white.	Nov.—March.	March-April.	Sub-deciduous.	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur—common.	
	Anisomeles ovata, *R. Br.*	...	Tall annual.	Purple and blue.	Oct.-Nov.	Oct.-Nov.	...	All over the circle.	
	Leonotis nepetæfolia, *R. Br.*	Katilwá.	Do.	Orange.	Do.	Cold season.	...	Bahraich, Banda, Jhansi.	Doubtfully wild; often naturalized within the circle from cultivation.
NYCTAGINACEÆ.	Boerhaavia diffusa, *Linn.*	Punarnavá.	Undershrub or herb.	Purple.	Rainy season.	Do.	...	An abundant weed in waste lands.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
NYCTAGINACEÆ—(*concld.*).	Bougainvillea spectabilis, *Willd.*	...	Extensive climber.	Purple,* magenta or brick-red.	Mainly winter, but also in other parts of the year	...	Evergreen	Cultivated.	* Colour of the bracts.
AMARANTACEÆ.	Deeringia celosioides *Br.*	Lalmuniá.	Straggling shrub.	Greenish white.	June—Oct.	Oct.—Dec.	Deciduous	Pilibhit, Kheri, Bahraich, Gonda.	Flowers also in the cold season.
	Ærua tomentosa, *Forsk.*	...	Undershrub.	Do.	Cold season.	April-May.	...	Bahraich. Jhansi, Etawah.	
	Ærua scandens, *Wall.*	...	Subscandent undershrub.	Do.	All the year round.	All the year round.	Dies back annually.	All over the circle.	
	Ærua lanata, *Juss.*	..	Undershrub.	Do.	Do.	Do.	...	Bahraich Bundelkhand; and also Jamua ravines.	
	Achyranthes aspera *Linn*	Chit-chitá.	Herbaceous annual	Greenish	Oct.—Jan.	Cold season.	...	All over the area also Etawah.	Fruits stick on to clothes by stiff straight bristles.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
AMARANTACEÆ—(*concld*).	Pupalia lappacea, *Juss.*	...	Annual herb.	Greenish white.	Rains.	Cold season.	...	Bahraich, Jhansi, Etawah. probably throughout the circle.	Fruits stick on to clothes by barbed bristles.
PIPERACEÆ.	Piper longum, *Linn*	Pipal, Piprámúr	Annual with woody rhizome.	Green.	Rainy season.	Jan — April.	...	Gorakhpur; probably in most places elsewhere also.	
LAURACEÆ.	Beilschmiedia Roxburghiana, *Nees.*	...	Medium sized to large tree.	White.	March—May.	May-June.	Sub-deciduous.	Bahraich. Gonda, Gorakhpur (rare).*	*Kanjilal's Gorakhpur specimen is Var. Dalzellii.
	Machilus Gamblei, *King.*	...	Medium sized tree.	Do.	Feb.-March.	May	Evergreen.	Pilibhit.	
	Phœbe lanceolata, *Nees.*	...	Small tree.	Do.	Feb.—June.	Rainy season.	Do.	Kheri, Gonda, Bahraich. Gorakhpur.	
	Litsea sebifera, *Pers.*	Maidá, Medh,	Medium sized tree.	Greyish green.	Do.	Cold season.	Sub-deciduous.	All over the circle.	
	Litsea polyantha, *Juss.*	...	Do.	Green.	Jan.—May.	June-July.	Do.	Ditto.	
ELÆAGNACEÆ.	Elæagnus latifolia, *Linn.*	..	Shrub.	Light yellow.	Nov.—Feb.	Hot season.	Evergreen.	Pilibhit, Kheri, Gorakhpur.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LORANTHCEÆ.	Loranthus Scurrula, *Linn.*	Bandá.	Woody parasite.	Green.	Cold season.	...	Evergreen.	Pilibhit, Gonda, Gorakhpur, Bahraich.	
	Loranthus longiflorus, *Desr.*	Do.	Do.	Orange.	Throughout the year.	Throughout the year.	Do.	All over the circle.	
	Loranthus cordifolius, *Wall.*	...	Do.	Buff.	Dec.—April.	Rainy season	Do.	Bahraich.	
	Viscum monoicum, *Roxb*	Bisbándá.	Parasitic shrub.	Green.	March—May.	Sep.—Nov.	Do.	Gonda, Gorakhpur. Bahraich*	* According to Duthie Kheri also.
	Viscum articulatum, *Burm*	...	Woody leafless parasite.	Do.	March—Oct.	March—Oct.	Do.	Gonda, Gorakhpur, Jhansi.	
SANTALACEÆ.	Santalum album, *Linn.*	Chandan.	Small tree.	Do.	...	...	...	Planted—Pilibhit, Kheri, Jhansi	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
EUPHORBIACEÆ.	Euphorbia neriifolia, *Linn.*	Senhúr, Thór.	Small tree or shrub.	Green.	Hot season.	...	Deciduous.	Jhansi, Gonda, Banda.	
	Euphorbia ligularia, *Roxb.*	Senhúr.	Do.	Do.	Do.	...	Do.	Jhansi, naturalised.	
	Euphorbia acaulis, *Roxb.*	Ban muriá.	Herb with perennial thickened root.	Yellowish green.	March—May.	June-July.	...	Firelines and burnt areas in Pilibhit, Kheri, Gonda, Bahraich and Gorakhpur.	
	Bischofia javanica, *Blume.*	Mirchá.	Large tree.	Green.	March-April.	Cold season.	Subdeciduous.	Pilibhit, Kheri, Gonda, Gorakhpur, Bahraich.	In moist ground.
	Bridelia retusa, *Spreng.*	Khájá	Small to medium-sized tree.	Do.	April—June also Oct.-* Nov.	Oct.—Jan.	Do.	All over the circle.	*A second flush ?

Fa mily.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowerin .	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
UPHORBIACEÆ—(*contd.*).	Bridelia montana, *Willd.*	...	Small medium-sized tree.	Green.	April — June also Oct., Nov.	Cold season.	Evergreen.	Gonda, Bahraich.	
	Bridelia stipularis, *Blume.*	Khájí Madhálatá (Gon).	Straggling extensive shrub.	...	April—Oct.	Dec.—March.	Do.	Pilibhit, Kheri, Gonda, Gorakhpur, Bahraich.	Fruits persist fo sometime afte maturity.
	Glochidion multiloculare, *Voigt.*	...	Shrub.	Yellowish green.	Greater part of the year but flowers mainly April—Oct., fruits—Dec.—May.		Do.	Pilibhit, Kheri, Gonda, Gorakhpur, Bahraich.	
	Glochidion assamicum, Hk,f. ?	...	Shrub-small tree.	Green.	Greater part of the year.		Do.	All over the circle in swamps.	
	Glochidion velutinum, *Wight.*	...	Shrub-small tree.	Yellowish green.	Feb.—June.	July-Aug.	Do.	All over the circle.	

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1	2	3	4	5	6	7	8	9	10
EUPHORBIACEÆ—(*contd.*).	Fluggea microcarpa, *Bl.*	Beri.	Straggling or small ub shr tree.	Green.	April—July.	May—Nov.	Sub-deciduous.	All over the circle.	
	Fluggea Leucopyrus, *Wild.*	...	Shrub.	Do.	...	...	...	Gorakhpur (Duthie)	
	Breynia rhamnoides, *Muell.*	Sikati ; bari sikati.	Spreading shrub or tree.	Do.	Most part of the year.	...	Evergreen.	Pilibhit, Gorakhpur, and all Oudh Divisions, Jhansi.	
	Sauropus quadrangularis, *Moull.*	...	Shrub.	Do.	Greater part of the year.	...	Do.	Gonda (Gurhui Forests).	
	Phyllanthus reticulatus, *Poir.*	...	Do.	Do.	Do.	...	Do.	Gonda, Bahraich, Kheri, Gorakhpur, Jhansi.	
	Phyllanthus Emblica, *Linn.*	Aonlá.	Medium-sized tree.	Yellowish green.	March—May.	Dec.—April.	Deciduous.	All over the circle.	

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1	2	3	4	5	6	7	8	9	10
EUPHORBIACEÆ—(*contd.*).	Phyllanthus simplex, *Retz.*	...	Under-shrub or perennial herb.	Green.	Rainy-season.	...	...	Pilibhit, Gonda, Bahraich, Jhansi.	
	Putranjiva Roxburghii, *Wall.*	Patjú	Medium-sized to large tree.	Yellow	March—May.	Cold season.	Ever-green.	Pilibhit, Gorakhpur and all the Oudh Divisions.	Shady forests and vicinity of swamps.
	Antidesma Ghæsembilla, *Gærtn.*	Banmasúriá.	Shrub to small tree.	Green-ish yellow.	Feb.—May.	Do.	Deciduous.	All over the circle.	
	Antidesma diandrum, *Roth.*	Banmasúriá.	Shrub.	Green.	March—June.	Do.	Do.	Do.	
	Aporosa Roxburghii, *Boil.*	...	Small tree.	Yellow-ish green.	April.	June	Ever-green.	Gorakhpur (Domakhand); rare.	
	Croton oblongifolius, *Roxb.*	Lapkan.	Do.	Do.	Jan.—Feb.	April.	Deciduous.	Kheri, Bahraich, Gonda, Gorakhpur.	

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EUPHORBIACEÆ—(*contd.*).	Baliospermum axillare, *Blume.*	...	Under-shrub.	Green.	Most part of the year.	...	Sub-deciduous.	All over the circle in shady moist places, often gregarious.	
	Trewia nudiflora, *Linn.*	...	Medium-sized tree.	Greenish yellow.	Jan.—April.	Cold season.	Deciduous.	Pilibhit, Gorakhpur, and all the Oudh Divisions.	Generally near water.
	Mallotus philippinensis, *Muell.*	...	Small tree.	Yellowish green.	Sept.—Nov.—	Feb.—May.	Evergreen.	All over the circle: abundant.	
	Mallotus repandus, *Muell.*	...	Scandent shrub.	Green.	Most part of the year.	...	...	Gorakhpur—(Domakhand).	
	Homonoia riparia *Lour.*	...	Shrub.	Do.	...	...	...	Bundelkhand.	Recorded by Duthie.
	Ricinus communis, *Linn.*	Arand.	Shrub or tall annual.	Yellow and green.	Do. ...	...	...	Occasionally naturalised in waste-lands.	
	Tragia involucrata, *Linn.*	Bichu.	Slender climber or under-shrub with woody base.	Green.	Dec.—Mar.	...	...	Gorakhpur, Bahraich. Kheri.	Covered with stinging hairs.

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EUPHORBIACEÆ—(*concld.*)	Tragia cannabina, *Linn, f.*	...	Herbaceous climber.	Green.	Dec.—March.	...	...	Banda (Lalitpur) Etawah and ravine lands in the Afforestation Division. Gonda.	Covered with stinging hairs.
	Sapium insigne, *Trimen.*	...	Medium-sized tree.	Do.	Jan.—March.	Hot season.	Deciduous.		
	Sapium sebiferum, *Roxb.*	...	Small tree.	Yellowish green.	April—July.	Cold season.	Do.	Naturalised in Pilibhit, Kheri, and Gonda.	
	Jatropha Curcas, *Linn.*	Safed arand.	Shrub.	Do.	Throughout the year but principally May—Oct.	Most part of the year.	Do.	Naturalised all over the circle.	
	Jatropha gossypifolia, *Linn.*	Lál-arand.	Do.	Red.	May—Sep.	...	Do.	Naturalised and run wild all over the circle.	

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1	2	3	4	5	6	7	8	9	10
URTICACEÆ.	Holoptelea integrifolia, *Planch.*	Bisendá (Bah.), Kari (K), Chiról (J), Dháminá (Gon).	Middle-sized tree.	Green.	Feb.—April.	May—July.	Deciduous.	All over the circle.	
	Celtis tetrandera, *Roxb.*	...	Large tree.	Greenish brown.	Feb.—May.	June—Sept.	Do.	Pilibhit, Gorakhpur and all Oudh Divisions, Banda, Jhansi.	
	Trema orientalis, *Blume.*	Chiksá.	Small tree.	Green.	Most part of the year.	...	Evergreen.	Gorakhpur; Bahraich.	
	Trema politoria, *Planch.*	Binóná, Banhariá.	Do.	Do.	April—June.	Oct.—March.	Do.	All over the circle.	
	Cannabis sativa, *Linn.*	Bhang.	Tall annual.	Do.	Mar.	Oct.	...	All over the circle in waste lands.	
	Bœhmeria platyphylla, *Don.*	...	Spreading tall shrub.	Greenish white.	Aug.-Sep.	Do-	Evergreen.	Pilibhit, Gonda, Banda.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
URTICACEÆ—(*contd.*)	Debregeasia velutina, *Gaud.*	...	Shrub.	Green.	Rainy season.	Cold season.	Evergreen.	Pilibhit, Kheri.	
	Morus indica, *Linn.*	...	Shrub or small tree.	Do.	Feb.-March.	April-May.	Deciduous.	Cultivated; naturalised in Kheri and Gorakhpur.	
	Morus lævigata, *Wall.*	Tút	Large tree.	Do.	Do.	April—June.	Do.	Cultivated, sometimes apparently naturalised.	Long-fruited.
	Morus alba, *Linn.*	Do.	Small medium-sized tree.	Do.	Do.	Do.	Do.	Cultivated.	Short white or red fruited mulberry commonest of the mulberries in the circle.
	Broussonettia, papyrifera, *Vent.*	...	Small medium-sized tree.	Purplish green.	March.	Rainy season.	Do.	Naturalised in Gorakhpur.	
	Streblus asper, *Lowe.*	Sehór.	Shrub or small tree.	Yellowish green.	Jan.—March.	May—July.	Evergreen.	All over the circle.	

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1	2	3	4	5	6	7	8	9	10
URTICACEÆ.—(*contd.*)	Cudrania javanensis, *Trécul.*	...	Scandent spiny shrub.	Green.	April—June.	Aug.—Nov.	Evergreen.	Pilibhit, Gorakhpur Bahraich,	
	Artocarpus Lakoocha, *Roxb.*	Barhal ; dhcó	Large tree.	Yellow.	Hot season.	Hot season.	Deciduous	Gonda, Kheri, Pilibhit, Bahraich, Gorakhpur in swampy ground ; planted all over the circle.	Flowers also in July, and September and also as late as November.
	Artocarpus, integrifolia, *Linn. f.*	Kathal,	Do.	Do.	Jan.—May.	Rainy season.	Evergreen	Cultivated.	The jack fruit.
	Ficus gibbosa, *Blume* var. parasitiacá, *King.*	...	Straggling epiphyte.	...	...	Jan.—March.	Evergreen.	Bundelkhand* Bahraich.	* Duthie.
	Ficus benghalensis, *Linn.*	Bar, bargat.	Large tree.	...	...	April—July.	Deciduous	All over the circle.	Epiphytic in early life.
	Ficus tomentosa, *Roxb.*	Kath bar.	Large tree.	..	...	Hot season.	Evergreen.	Jhansi, Banda.	Do.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
URTICACEÆ—(*contd.*)	Ficus retusa, *Roxb.*	...	Medium to large-sized tree.	...	...	Jan.—April.	Evergreen.	All over the circle but not common.	Epiphytic in early life.
	Ficus religiosa, *Linn.*	Pipal.	Large tree.	...	...	March—June.	Deciduous.	All over the circle.	Do.
	Ficus Arnottiana, *Roxb.*	Kathpipal.	Small tree.	...	...	Do.	Do.	Jhansi, Gonda, Banda.	Do.
	Ficus Rumphii, *Blume.*	Paras pipal (Gon). Gajhar.	Large tree.	...	...	March—July.	Do.	Pilibhit, Gorakhpur and all Oudh Divisions.	Do.
	Ficus Benjamina, *Linn.*	...	Do.	...	...	Jan.—May.	Evergreen.	Kheri, Gonda, Gorakhpur.	Not epiphytic, also planted in gardens. Leaves with fine parallel viens.
	Ficus infectoria, *Roxb.*	Pákar.	...	...	...	Dec.—July.	Deciduous.	All over the circle, generally near villages.	Epiphytic.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
URTICACEÆ—(*contd.*)	Ficus heterophylla, *Linn.*	...	Sub-erect creeping shrub.	...	...	Nov.	...	Pilibhit, Gorakhpur, and all Oudh divisions near water.	Not epiphytic.
	Ficus hispida, *Linn. f.*	Kat gúlari.	Small tree.	...	Most part of the year.	...	Evergreen.	All over the circle.	Do.
	Ficus Cunia, *Buch-Ham.*	Khurúr.	Medium-sized tree.	...	Do.	..	Do.	Do.	Do.
	Ficus scandens. *Roxb.*	...	Climbing shrub.	...	Hot season.	Rainy season.	Do.	Pilibhit, Bahraich.	Do.
	Ficus palmata, *Forst.*	Anjir	Small tree or shrub.	...	March—June (3).	June.—Oct.	Do.	All over the circle; generally near villages.	Do.
	Ficus Roxburghii, *Wall.*	...	Low tree.	...	...	April—June.	Do.	Bahraich.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
URTICACEÆ—(*concld.*)	Ficus glomerata, *Roxb.*	Gúlar, Umar.	Large tree	...	...	April—July.	Deciduous	All over the circle near water.	
	Ficus sœmocarpa, *Miq.* Syn. Ficus laminosa, *Hardw.*	..	Shrub.	...	Jan.—May.	...	...	Bundelkhand (Rajghat) Duthie's Collection.	
SALICACEÆ.	Salix tetrasperma, *Roxb.*	Birsá ...	Medium-sized tree	...	Feb.—April.	April—June.	Deciduous	All over the circle on the banks of streams.	
SCITAMINEÆ.	Curcuma angustifolia, *Roxb.*	Kácchúr, Tikhur.	Herb.	...	April-May.	Rainy season.	...	Pilibhit, Gorakhpur, and all Oudh divisions in sal forests.	
	Costus speciosus, *Smith.*	...	Do.	...	Rainy season.	Oct.-Nov.	...	Do.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality and divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
AMARYLLIDACEÆ.	Agave Vera-Cruz, *Miller*.	Ram báns.	Shrub.	Greenish yellow.	Rainy season.	...	Evergreen	Planted, and naturalised in the area.	Leaves grey-green in open light; green in shade 4—6′.
	Agave Wightii, *D. & P.*	Bans Keórá	Do.	Do.	Do.	Oct.-Nov.	Do.	Do	Leaves grey-green about 3′.
	Curculigo orchioides, *Gærtn.*	Káli músli.	Herb.	Yellow.	Jan.—June.	Rainy season.	...	All over the circle.	
DIOSCOREACEÆ.	Dioscorea anguinea, *Roxb.*	...	Twining herb.	White.	End of rains.	December	...	Bahraich.	
	Dioscorea pentaphylla, *Linn.*	...	Twiner	Do.	Rainy season.	Cold season.	...	Pilibhit, Gorakhpur, and all Oudh divisions.	
	Dioscorea triphylla, *Linn.* Var. dœmona, *Roxb.*	...	Do.	Do.	Do.	Do.	...	Gonda, Bahraich, Kheri.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
DIOSCOREACEÆ.—(*concld.*)	Dioscorea belophylla, *Voigt.*	Tarár.	Twiner.	White.	Rainy season.	Cold season.	...	Kheri.	
	Dioscorea sativa, *Linn.* Syn. D. aculeata, *Linn.*	Tarál, tarur.	Do.	Do.	Do.	Do.	...	All over the circle; often planted.	
LILIACEÆ.	Asparagus racemosus, *Willd.*	Santáwar.	Shrub.	Do	Sep.-Oct.	Cold season.	Sub-deciduous.	All over the circle, also Etawah.	
	Asparagus adscendens, *Roxb.*	Sitáwar.	Do.	Do.	April—Sep.	Nov.—Jan.	...	Bahraich, Kheri, Pilibhit, Gonda.	
	Smilax macrophylla, *Roxb.*	Ramdatun, Rám pán.	Climber.	Do.	March—July.	Cold season.	Deciduous.	All over the circle.	
	Smilax Roxburghii, *Wall.*	Rám pán.	Large climber.	Do.	June-July.	Do.	...	Pilibhit.	
	Smilax prolifera, *Roxb.*	Rám datun.	Climber.	Do.	April—Oct.	Cold season.	Deciduous.	Pilibhit, Gorakhpur, and all Oudh divisions.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LILIACEÆ —(*concld.*)	Urginea indica, *Kunth.*	U'skil.	Herb.	Greenish white.	Feb.—April.	April-May.	...	Gonda, Jhansi.	
	Gloriosa superba, *Linn.*	Kuthári.	Do.	Orange and yellow turing red.	Rainy.	Season.	...	All over the circle.	Tubers poisonous.
PALMACEÆ.	Borassus flabelliformis, *Willd.*	Tárh.	Tall tree.	Greenish yellow.	May.	July-Aug.	Evergreen.	Cultivated, sometimes naturalised (Gorakhpur).	
	Phœnix acaulis, *Buch. Ham.*	Khajúri.	Short-stemmed shrub.	Do.	Dec.-Jan.	April-May.	Do.	All over the circle.	
	Phœnix sylvestris, *Roxb.*	Khajur.	Tree.	Do.	March-April.	July-August.	Do.	Gorakhpur.	
	Phœnix humilis, *Royle.*	Do.	Shrub or small tree.	Do.	Dec.-Jan.	April—June.	Do.	Pilibhit, Gorakhpur, and all Oudh divisions, Jhansi.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
PALMACEÆ —(*concld.*)	Calamus tenuis, *Roxb.*	Bet.	Climber	Yellowish green.	Rainy season.	Cold season.	Evergreen	Pilibhit, Gorakhpur, and all Oudh divisions.	
	Wallichia densiflora, *Mart.*	...	Shrub	...	...	...	Do.	† Gonda—(Tulsipur range; Nepal boundary), Bahraich.*	† Record from incomplete specimen. * Mr. W. J. Lambert.
TYPHACEÆ.	Typha elephantina, *Roxb.*	Pater.	Tall herb.	Yellowish green.	...	...	...	Pilibhit, Gorakhpur and all Oudh Divisions in swamps.	
ARACEÆ.	Scindapsus officinalis, *Schott.*	Gaj-pipal.	A rooting climber.	Do.*	March—April.	Cold season.	Deciduous	Pilibhit, Gorakhpur and Oudh divisions in sal forests.	* Colour of spathe.
	Acorus Calamus, *Linn.*	Bach.	Perennial herb.	Greenish yellow.	April.	September	...	Bahraich, Gonda.	
GRAMINEÆ	Bambusa nutans, *Wall.*	Báns.	...	...	...	...	...	Planted in Gorakhpur.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
GRAMINEÆ —(*contd.*).	Bambusa arundinacea, *Willd.*	Kánta báns.	...	...	March-April.	..	...	Planted in all divisions.	
	Dendrocalamus strictus, *Nees.*	Báns.	Small-sized bamboo.	Green.	Oct.—April.	Hot season.	Sub-deciduous	Pilibhit Gonda, Jhansi, Banda, Bahraich.	
	Arundo Donax, *Linn.*	Nar.	Tall reed	...	...	...	...	Pilibhit, Gonda, and Oudh divisions in swamps.	
	Phragmites Karka, *Trin.*	Do.	Do.	...	Nov.-Dec.	...	...	Jhils in the area (gregarious).	
	Thysanolæna Agrostis, *Nees.*	...	Tall	...	End of rainy and cold season.	Cold season April.	...	Gorakhpur, Pilibhit, also all Oudh divisions in shady ravines.	
	Imperata arundinacea, *Cyrill.*	Charúi (Bah). Bhalúhi, (Gon)., Dabhelá (Gor).	Short, medium-sized grass.	...	Mainly rainy season but sporadically throughout the year.		...	Pilibhit, Kheri, Bahraich, Gorakhpur.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
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GRAMINEÆ —(*contd.*).	Saccharum arundinaceum, *Retz.*	Mūnj.	...	...	Sep.	January	...	All over the circle in sandy river banks and open areas.	
	Andropogon squarosus, *Linn. f.*	Khas-Khas.	...	...	Rainy season.	Cold season.	...	Open ground all over the circle.	
	Andropogon contortus, *Roem.*	Paruá.	Gregarious 1—3′.	...	Sep — Dec.	Oct.— Jan.	...	Open places all over the circle.	The spear grass—notorious for the large masses of barbed fruits which stick on to clothes.
	Cymbopogon Martini, *Stap. f.* *Syn.* Andropogon Schænanthus, *Linn.*	Ruská.	Weak-stemmed grass.	...	Rainy season.	Cold season.	...	All over the circle—sporadically; occurring in open places commoner in dry localities (Banda, Jhansi).	Aromatic. Flowers occasionally; at other times of the year also.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
GRAMINEÆ —(*concld.*).	Andropogon monticola, *Schutt.*	Dhaúlá, Gúrlá, Chikná.	About 5′	...	Sept.-Oct.	Cold season.	...	Gonda, Pilibhit Kheri, Bundelkhand.	
	Anthistiria gigantea, *Cav.*	U'lláh, Dhonra, (Gor.)	Tall grass.	...	End of rainy season.	Do.	...	Pilibhit, Oudh divisions, Gorakhpur.	Gregarious in open forests, fire-lines, etc.
	Ischoemum angustifolium, *Hack.*	Bhábar, Sabai Baib.	Wiry-leaved short-stemmed grass.	...	Feb.—June.	May—July.	...	Common all over the circle in open places.	
FILICINÆ SCHIZÆACEÆ.	Lygodium flexuosum, *Swest.*	Bál-kesh (Gor.), Káli mengi (Bah.), Bálchur, Bánsi (J).	Slender climber.	...	April.	Nov.	Annual.	All over the circle.	

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